

RECENT LITERATURE ON LEPIDOPTERA

(Under the supervision of PETER F. BELLINGER)

Under this heading are included abstracts of papers and books of interest to lepidopterists. The world's literature is searched systematically, and it is intended that every work on Lepidoptera published after 1946 will be noticed here; omissions of papers more than 3 or 4 years old should be called to Dr. BELLINGER's attention. New genera and higher categories are shown in CAPITALS, with types in parentheses; new species and subspecies are noted, with type localities if given in print. Larval foodplants are usually listed. Critical comments by abstractors may be made. Papers of only local interest and papers from *The Lepidopterists' News* are listed without abstract. Readers, particularly outside of North America, interested in assisting with this very large task, are invited to write Dr. BELLINGER (Osborn Zoological Lab., Yale University, New Haven 11, Conn., U.S.A.) Abstractors' initials are as follows: [P.B.] — P. F. BELLINGER; [I. C.] I. F. B. COMMON; [W. C.] — W. C. COOK; [A. D.] — A. DIAKONOFF; [W. H.] — W. HACKMAN; [J. M.] — J. MOUCHA; [E. M.] — E. G. MUNROE; [N.O.] — N. S. OBRAZTSOV; [C. R.] — C. L. REMINGTON; [J. T.] — J. W. TILDEN; [P. V.] — P. E. L. VIETTE.

B. SYSTEMATICS AND NOMENCLATURE

- Adamczewski, Stanislaw, "Notes on the plume-moths, II. *Capperia trichodactyla* (Dennis et Schiffermüller) 1775, in Poland (Lep., Alucitidae)" [in Polish; English summary]. *Bull. Ent. Pologne*, vol. 18: pp. 142-155. 1948. Gives the synonymy of *C. trichodactyla* (= *Oxyptilus leonuri*, = *O. affinis*). In Central Europe two generations are recorded. The host-plant is *Leonurus cardiaca* L. [J.M.]
- Adamczewski, Stanislaw. "Supplements and rectifications to the lepidopterological fauna of Poland, II" [in Polish; English summary]. *Bull. Ent. Pologne*, vol. 20: pp. 75-93. 1950. Discusses a number of faunistic papers; 3 spp. are new for Poland. New synonymy: *Sedina büttneri* (= *Rhizedra lutos* ab. *rufovenosa*); 2 forms of *Phragmatobia fuliginosa* also synonymized. [J. M.]
- Agenjo, Ramón, *Fauna lepidopterologica almeriense*. 370 pp., 24 pls., 35 maps. Madrid: Consejo Sup. Invest. Cient. 16 June 1952. Lepidoptera of the province of Almeria, in southeastern Spain. Describes as new: (Tineidae) *REISSERITA* (type *Tinea haasi*); *SUBPENTAGONA* (type *Tinea liguriella*); *CRASSICORNELLA* (type *Tineola crassicornella*); (Eupistidae) *Eupista horaticella* (Almeria); (Scythrididae) *Bryophaga aben-humeya* (Laujar de Andarax, Almeria); (Gelechiidae) *UNCUSTRIDONTA* (type *Aristotelia trinotellus*); (Tortricidae) *Bactra mediterranea* (Cañada de San Urbano, Almeria); (Crambidae) *Crambus mendizabali* (Adra, Almeria); (Pyraustidae) *Cybalomia cruzæ* (Almeria); *Anonia (ZEAPHAGUS)* (type *Pyrausta nubilalis*); *Boreophila* (subg. *HARPADISPAR*) (type *Botys diffusalis*); (Geometridae) *COSTACONVEXA* (type *Xanthorhoë polygrammata*); *ALMERIA* (type *Cidaria kalischata*); *RHODOMETRINÆ*; *CASILDA* (type *Rhodometra anthropilaria consecraria*); *Sterrrha urcitana* (Almeria), *S. herbuloti* (Almeria); also several "forms". [See review in *Lepid. News*, vol. 9: p. 160] [P. B.]
- Alberti, Burchard, "Zur Stammesgeschichte und Systematik der Zygæni (Lep. Zygæniidae)" [in German]. *Deutsche Ent. Zeits.*, N. F., vol. 2: pp. 301-321, 5 pls. 15 Nov. 1955. Summarizes in part the conclusions of his monographic paper on the Zygæniidae (1955). Lists genera of Zygænini, with revised definitions and (except for *Zygæna*) lists of supp. Redefines *Epizygæna*, basing its distinction from *Zygæna* on the ♂ genitalia. Discusses at length the ♀ genitalia in *Zygæna*; also surveys the variation in number of hind tibial spurs in this genus. Subgeneric divisions in *Zygæna* cannot yet be exactly defined. [P. B.]
- Alberti, Burchard, "Zur Aufrecht-Frage von *Zygæna transalpina* Esp., *angelicæ* O. und *elegans* Bgff. (Lep. Zygæniidae)" [in German]. *Deutsche Ent. Zeits.*, N. F., vol. 3: pp. 91-96, 2 figs. 15 April 1956. On the basis of genital morphology regards first two as distinct, at least as 'semispecies'; doubts that *elegans* is specifically separable from *angelicæ*. [P. B.]

- Amsel, H. G., "Eine neue maltesische *Homæosoma*-Art (Lepidoptera: Pyralidæ)" [In German]. *Mitt. Münchner Ent. Ges.*, vol. 41: pp. 248-250, 2 figs. 1 Aug. 1951. Describes as new *H. vallettæ* (Malta). [P. B.]
- Amsel, H. G., "Two new Micro-Lepidoptera from Malta." *Entomologist*, vol. 85: pp. 172-174, 5 figs. [20] Aug. 1952. Describes as new *Egoconia deluccai* (Salina); *Apalema fascinata melitensis* (Malta). Raises *A. fascinata* var. 'impunctella' to specific rank. [P. B.]
- Amsel, H. G., "Ueber einige von Hampson beschriebene paläarktische Pyraliden (Lepidoptera: Pyralidæ)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 42: pp. 40-70, 46 figs. 15 Nov. 1952. Describes as new *MARDINIA* (type *Stenia ferrealis*); *TRIGONUNCUS* (type *Cybalomia inglorialis*); *NAMANGANIA* (type *Diasemia latalis*); *DUZULLA* (type *Phlyctenodes subhyalinalis*). Study of type material of 35 spp. describes by Hampson (1900). Selects neotype for *Talis pallidalis* (type destroyed). Transfers *Aglossa pulverealis* to *Agriope*; *Constantia leucographalis* to *Macroclonia*, *C. persinualis* & *C. canifusalis* to *Dattinia*; *Pionea abscentalis* to *Cholius*; *Stenia nervosalis* to *Arnia*; *Phlyctenodes rhabdalis* to *Loxostege*; *Pyrausta russulatalis* to *Evergestis*; *Noctuella arcuatalis* to *Evergestis*; *Pyrausta catilualis* to *Pionea*; *Pionea vestalis* to *Emprepes*; *Tegostoma paralis* to *Æschremon*. More or less extensive redescriptions; ♂ genitalia of many spp. figured. [P. B.]
- Amsel, H. G., & J. Klimesch, "Eine neue deutsche, Hummelneester bewohnende *Moodna*-Art (Lepidoptera: Pyralidæ)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 486-491, 1 pl., 7 figs. 1 Aug. 1955. Describes as new *M. bamberlicolella* (Hamburg; reared from nest of *Bombus hypnorum*); describes setal pattern and other characters of larva. [P. B.]
- Aubert, J. F., "Révision préliminaire des géométrides *Calostigia* Hb. (*Cidaria* auct.) du groupe de *C. austriacaria* H.S." [in French]. *Rev. franç. Lépid.*, vol. 15: pp. 107-133, 118 figs., 3 pls. 25 May 1956. This paper is largely a translation of the same article published, with the collaboration of R. Löberbauer, in *Zeits. Wiener Ent. Ges.*, vol. 40 (1955). [P. V.]
- Benander, P., "*Phalonia traşvenfelti* n. sp. (Lep. Tortr.)" [in German]. *Opusc. Ent.*, vol. 14: p. 48, 2 figs. 25 May 1949. Type locality Listerlandet Peninsula, Blekinge, Sweden. [P. B.]
- Bennett, N. H., "Two new species of Lycænidæ from South East Africa." *Entomologist*, vol. 87: pp. 170-173, 2 figs. "Aug." [29 Sept.] 1954. Describes as new *EUTHECTA*, and type *E. cooksoni* (Dondo Forest, Portuguese E. Africa); *Cnodontes penningtoni* (Lobatzi, Cape Prov.). [P. B.]
- Bennett, N. H., "A new *Delias* from the central highlands of New Guinea (Lepidoptera, Pieridæ)." *Entomologist*, vol. 89: pp. 81-83, 1 pl. April 1956. Describes as new *D. anamesa* (above Daulo Pass, Asaro-Chimbu Dividing Range). [P. B.]
- Berger, L. A., "New forms of *Colias* (Lep. Pieridæ) collected in Arabia by Major H. St. J. B. Philby, C. I. E." *Entomologist*, vol. 86: pp. 171-172. "July" [4 Aug.] 1953. Describes as new *C. electo philbyi* (Taif, S. Hejaz). Names 2 'forms'. [P. B.]
- Berger, L. A., "Un *Celenorrhinus* nouveau du Congo Belge (Lepidoptera-Hesperiidæ)" [in French]. *Mem. Soc. Ent. Belg.*, vol. 27: pp. 92-95, 10 figs. 1956. Describes as new *C. selysi* (Belgian Congo); species confused with *C. boadicea*. [P. V.]
- Betrem, J. G., & L. L. J. Ossowski, "The nomenclature of *Acanthopsyche junodi* Heylaerts (Lepidoptera: Psychidæ)." *Proc. Roy. Ent. Soc. London (B)*, vol. 25: pp. 205-209, 1 fig. 31 Dec. 1956. Describes as new *CHALIOPSIS* (as subgenus of *Kotochalia*); type *A. junodi*. Summarizes taxonomic history and points out differences between *K. junodi* and type of *Acanthopsyche*. Sinks *Chaliella* to *Kotochalia*. [P. B.]
- Betz, J.-T., "*Melitæa aurinia* Rott. en Algérie" [in French]. *Rev. franç. Lépid.*, vol. 15: pp. 143-144, 1 double pl. Nov. 1956. Note on *M. aurinia* in North Africa; describes as new *M. a. barraguéi*. On the beautiful plate the generic name and one author's name do not agree with those in the text, and one author's name is omitted. Series of *Euphydryas a. barraguéi*, *E. desfontainii*, and *E. d. gibrati* are figured. [P. V.]
- Blackie, J. E. H., "The generic name *Mesoacidalia* Reuss (Lep., Geometridæ)." *Entomologist*, vol. 86: p. 190. "Aug." [14 Sept.] 1953. Objects, unfortunately without "legal" grounds, to use of this unhappy name for a fritillary. [P. B.]
- Bleszyński, Stanislaw, "Studies of the genus *Crambus* F. (Lepidoptera-Crambidæ)" [in Polish; Russian and English summaries]. *Bull. Ent. Pologne*, vol. 21: pp. 61-101, 19 pls. 1951. Important study about the systematics of Crambidæ. The ♂ and ♀ genitalia of many spp. are studied. [J. M.]

- Bleszyński, Stanisław, "Studies on the Crambidae. Part VII. Studies on the European species of the "*Pediasia fascellinella*" Hbn.-group" [in English; Russian and Polish summaries]. *Bull. Ent. Pologne*, vol. 22: pp. 140-169, 65 figs. 1952. Describes as new: *P. adamczewskii* (Guberli, Ural Mts.); *P. sareptella* (Sarepta, S. Russia); *P. hübn-eri* (Sarepta); *P. soffneri* (Gorlowka, S. Russia). All new spp. and genitalia are figured. [J. M.]
- Boursin, Charles, "A new Maltese subspecies of *Leucania putrescens* Hübner. (Contribution to the study of the 'Agrotidae-Trifinae', LIII)." *Entomologist*, vol. 85: pp. 132-135, 2 figs. [11] June 1952. Describes as new *L. p. vallettai* (Malta). Compares ♂ genitalia of *L. putrescens* and *L. punctosa*. [P. B.]
- Boursin, Ch., "Description d'un nouveau genre paléarctique (Lep. Phal. Zenobiinae) (note préliminaire)" [in French]. *Bull. mens. Soc. Linn. Lyon*, vol. 25: pp. 124-125. May 1956. Describes as new *PSEUDENARGIA* (type species *regina* Stgr.) New genus contains also *basilissa* Brdt. and *ulicis* Stgr.; it is allied to *Phlogophora* and *Habrynthis*. [P. V.]
- Bowden, J. "New species of African stem-boring Agrotidae (Lepidoptera)" *Bull. Ent. Res.*, vol. 41: pp. 415-428, 23 figs. Oct. 1956. Describes as new *CARELIS*, and type *C. albula* (Kwadaso, near Kumasi, Gold Coast; from *Scleria verrucosa*); *PÆCOPA*, and type *P. mediopuncta* (Kwadaso; from *Rotthalia compressa*, etc.); *MANGA*, and type *M. basilinea* (Nyankpala, near Tamale, Gold Coast; from *Pennisetum* sp.); *Busseola quadrata* (Akinson, near Kumasi, Gold Coast; from *Setaria chevalieri*, etc.), *B. phaia* (Henderson, S. Rhodesia; from *Pennisetum purpureum*), *B. segeta* (Serere Exp. Sta., Uganda; from *Sorghum verticilliflorum*, etc). Transfers *Calamistis nubifera* to *Manga*. Keys to these and related genera, and to 5 spp. similar to *Busseola fusca*. [P. B.]
- Bowden, S. R., "Timing of imaginal development in male and female hybrid Pieridae (Lep.)" *Entomologist*, vol. 86: pp. 255-264, 2 figs. "Nov. 1953" [19 Jan. 1954]. In hybrids between *Pieris napi* and *P. bryoniae* the normal sequence of emergence (♂ slightly before ♀) is upset; this would serve as a barrier to gene exchange and supports the separation of the spp. [P. B.]
- Bradley, J. D., "Two new species of *Meharia* (Lep., Cossidae)." *Entomologist*, vol. 85: pp. 241-244, 4 figs. [10] Nov. 1952. Describes as new *M. philbyi* (Kashabiya, Arabia), *M. tanganyikæ* (Ngaruka, Tanganyika). Transfers *Alarona semilactea* to *Meharia* (from Psychidae). Catalogue of the 5 spp. of the genus. [P. B.]
- Bradley, J. D., "On *Harmoclonia* Busck, 1914 (Lep., Arrhenophanidae), with descriptions of a new species, of a supplementary wing-coupling device present, and some new synonymy." *Entomologist*, vol. 86: pp. 61-66, 2 pls. [20] March 1953. Describes as new *H. hilethera* (Bibianaha, Gold Coast). Sinks *Ptychoxena* to *Harmoclonia*. Describes & figures genitalia of 3 known spp. [P. B.]
- Bradley, J. D., "A new *Olethreutes* (Lepidoptera: Olethreutidae) from Malaya." *Entomologist*, vol. 87: pp. 195-196, 3 figs. "Sept." [28 Oct.] 1954. Describes as new *O. leverii* (Port Dixon, Malaya; on *Sonneratia griffithii*). [P. B.]
- Bradley, J. D., "A new clearing moth from West Africa predaceous on scale-insects (Lep: Ægeriidae)." *Entomologist*, vol. 89: pp. 203-205, 5 figs. Aug. 1956. Describes as new *CERITRYPETES*, and type *C. idiotropha* (Ibadan, Nigeria); larvæ feed on *Ceroplastis* sp. [P. B.]
- Bradley, J. D., "A new genus for *Tortrix postvittana* (Walker) and certain other Australian and New Zealand species (Lepidoptera: Tortricidae)." *Bull. Ent. Res.*, vol. 47: pp. 101-105, 2 pls. March 1956. Describes as new *AUSTROTORTRIX* (type *T. postvittana*); transfers 10 other spp. here from *Tortrix* & *Cacæcia*, and sinks 2 spp. of *Tortrix* to *A. postvittana*. [P. B.]
- Bradley, J. D., "A new species of *Opogona* (Lepidoptera: Lyonetiidae) from Malaya." *Entomologist*, vol. 89: pp. 155-156, 2 figs. June 1956. Describes as new *O. theobroma* (Selangor; on dead cocoa stem). [P. B.]
- Bradley, J. D., "Microlepidoptera from Lord Howe Island and Norfolk Island." *Bull. Brit. Mus. (Nat. Hist.) — Ent.*, vol 4: pp. 143-164, 26 figs. April 1956. Describes as new, from Lord Howe Island: (Olethreutidae) *Lobesia eustales*; (Carposinidae) *Carposina euphanes*; (Ecophoridae) *Elæonema aneusema*; (Cosmopterygidae) *Pyroderces anoista*; *Batrachedra eurema*; (Gracillariidae) *Acrocercops tomia*; (Lyonetiidae) *Opogona euchætes*; *Decadarchis leucocyma*. From Norfolk Island: (Gelechiidae) *Anisoplaca cosmia*; (Lyonetiidae) *Comodica semiades*; *Opogona psola*; (Tineidae) *NORFOLKIA*, and type *N. hilderi*; *EMPÆSTA* (type *Tinea capnitis*). Sinks *Elachista*

- synthes* to *E. archæonoma*. Records of 7 known spp. (Tortricidæ, Cœphoridæ, Glyphipterygidæ, Elachistidæ, Schœnotenidæ) with descriptive notes on some. [P. B.]
- Bradley, J. D., "Présence de la famille des Arrhenophanidæ à Madagascar, avec descriptions de deux nouvelles espèces" [introduction in French, descriptions in English]. *Rev. franç. Ent.*, vol. 23: pp. 132-135, 4 figs. 1 July 1956. Records presence of Arrhenophanidæ in Madagascar. Describes as new *Harmaclona malgassica* and *H. berberea*. [P. V.]
- Braun, Annette F., "A new species of gall-forming *Bucculatrix* from Florida" *Ent. News*, vol. 67: pp. 67-90. 1956. Describes as new *B. needhami* (Englewood, Florida; on *Helianthus agrestis*). [J. T.]
- Brooks, C. Joslin, "A new subspecies of *Ragadia* (Lep. Satyridæ)." *Entomologist*, vol. 85: p. 167. [7] July 1952. Describes as new *R. makuta dempoensis* (Mt. Deapo, W. Sumatra). [P. B.]
- Brown, F. Martin, "The Papilios of Ecuador (Rhopalocera, Lepidoptera)." *Rev. Ecuatorian Ent. Parasitol.*, vol. 1, no. 3: pp. 41-60; no. 4: pp. 95-112; vol. 2: pp. 65-81; 17 pls. July, Oct. 1953; Jan./April 1954. Keys to genera (*Battus*, *Papilio*, *Graphium*), sections, spp., & ssp. Notes on recognition and distribution of each form. 60 spp. are included; most are figured. [P. B.]
- Bryk, Felix, "De Geers Insektenammlung eine Fundgrube von unbekanntem Linnéschen Typen!" [in German]. *Opusc. Ent.*, vol. 14: pp. 77-80. 25 May 1949. Believes that many specimens in De Geer's collection in Uppsala are types or iconotypes of Linné's spp. Comments on the significance of names of persons associated with the diagnoses in Linné's works. [P. B.]
- Bryk, Felix, "Eine neue schwedische Unterart von *Melitæa cinxia* (L.) (Lep.)" [in German]. *Opusc. Ent.*, vol. 15: pp. 209-210. 1 Dec. 1950. Describes as new *M. c. winbladi* (Gotland). [P. B.]
- Bryk, Felix, "*Pararge achine* (Scop.) in Ostasien. Eine Revision" [in German]. *Ent. Tidskr.*, vol. 74: pp. 38-45, 8 figs. 18 June 1953. Describes as new *P. a. kenteiana* (Kentei), *P. a. uralensis* (Ural Mts.); also one 'form'. Survey of Asiatic ssp.; regards *P. a. eximia* as distinct from *P. a. achinoides*. Notes on generic assignment of *achine*. [P. B.]
- Bryk, Felix, "Zur Frage der Stellung der Dismorphiinae im Systeme (Lepidoptera: olim Pieridæ pro parte)" [in German]. *Ent. Tidskr.*, vol. 76: pp. 16-19, 2 figs. 22 June 1955. Proposes DISMORPHIIDÆ and LEPTIDIINÆ n.n. (to replace Grote's invalid spellings); maintains that family is distinct from Pieridæ, but rejects Heikertinger's suggestion that it belongs in Nymphalidæ. [P. B.]
- Burdick, William N., "A new concept for the *Cænonympha* of the Front Range of Colorado (Satyridæ)." *Lepid. News*, vol. 10: pp. 81-86, 1 fig. 12 Dec. 1956. Describes as new *C. inornata phantasma* (Eldora, Boulder Co., Colo.). [P. B.]
- Burmann, Karl, "*Crambus luctiferellus* Hb. und *luctuellus* H. S. — zwei gute Arten (Microlepidoptera, Pyralidæ). (Zusammenfassung meiner bisherigen Beobachtungsergebnisse)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 41: pp. 137-157, 1 pl., 2 figs. 1 Aug. 1951. Distinguishes spp. on pattern and genital characters; summarizes taxonomic history; describes variation & names several 'forms.' [P. B.]
- Clarke, J. F. Gates, "A new genus and species of North American Olethreutidæ (Lepidoptera: Laspeyresinæ)." *Journ. Wash. Acad. Sci.*, vol. 41: pp. 46-47, 6 figs. 18 Jan. 1951. Describes as new *CORTICIVORA*, *C. clarki* (North Guilford, Connecticut; on Red Pine). [P. B.]
- Clarke, J. F. Gates, "New species of Gelechiidæ from Argentina (Lepidoptera)." *Journ. Wash. Acad. Sci.*, vol. 41: pp. 144-146, correction p. 199, 10 figs. 25 April 1951. Describes as new *Parastega hemisigna* (Tigre, Argentina); *Aristotelia perplexa* (Tigre), *A. parephoria* (Tucumán). [P. B.]
- Clarke, J. F. Gates, "New species of Olethreutidæ from Argentina (Lepidoptera)." *Journ. Wash. Acad. Sci.*, vol. 41: pp. 296-299, 12 figs. 24 Sept. 1951. Describes as new *Anchylopera plumbata* (Tigre); *Episimus unguiculus* (Tigre); *Cryptophlebia carphogoides* (Tucumán). [P. B.]
- Clarke, J. F. Gates, "A new carpenterworm from Florida (Lepidoptera: Cossidæ)." *Journ. Wash. Acad. Sci.*, vol. 42: pp. 156-158, 6 figs. 28 May 1952. Describes as new *Prionoxystus baccharidis* (Coral Gables, Fla.; on *Baccharis* sp.). [P. B.]
- Cockayne, E. A., "*Colias calida* Verity: the correct name for the butterfly lately added to the British list." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 166-168. 15 June 1952. Claims that name *australis* has not been proved to apply to sp. feeding on *Hippocrepis comosa*. [P. B.]

- Cockayne, E. A., "*Oressigena* — a nomen nudum." *Ent. Rec. & Journ. Var.*, vol 64: pp. 291-292. 15 Oct. 1952. Race of *Dysstroma concinnata*. [P. B.]
- Cockayne, E. A., "A subspecies of *Plusia gamma* Linnæus." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 193-195. 15 Aug. 1953. Suggests that small, pale British immigrants, producing dark larvæ, belong to an eastern Mediterranean ssp. [P. B.]
- Cockayne, E. A., "*Dysstroma truncata* Hufnagel ssp. *concinnata* Stephens." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 273-275. 15 Oct. 1953. Reduces *concinnata* to ssp. and sinks *oressigena* to *concinnata*; discusses variation in *truncata* in western British Isles. [P. B.]
- Cockayne, E. A., "Lectotypes of one subspecies and two aberrations of British Geometridæ." *Ent. Rec. & Journ. Var.*, vol. 65: p. 193. 15 Aug. 1953. Including type of *Sterrhia ochrata cantata*. [P. B.]
- Collenette, C. L., "The family Lymantriidæ (Lep.)." *Entomologist*, vol. 86: pp. 32-33. [23] Feb. 1953. Lists numbers of spp. and ssp. in each of the 3 major zoogeographical regions, and British Museum representation of spp. and types. 199 genera, 2445 spp. recognized. [P. B.]
- Collenette, C. L., "New Lymantriidæ (Lepidoptera, Heterocera) from French Guinea, West Africa." *Bull. Inst. franc. Afr. Noire*, vol. 17: pp. 915-917, 2 figs. July 1955. Describes as new *Euproctis pasteopa* (Ziela); *E. perpusilla nimba* (Ziela). Names aberration of *Dasychira bacchans*. [P. B.]
- Collenette, C. L., "A catalogue of the Lymantriidæ of Madagascar (Lepidoptera)." *Naturaliste malgache*, vol. 7: pp. 167-179. 1956. Describes as new *Marblepsis micca*, *M. ephala*, *M. mona*; *Euproctis pallilimba*, *E. moramanga*, *E. semæ*; *HUMAROA* (type *brontonepha* Collenette), *H. epilithra*; *PELOROSSES* (type *præstans* Saalmüller); *Lymantria oinoa*. [P. V.]
- Crotch, W. J. B., "A new hybrid race of the genus *Philosamia*." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 281-282, 1 fig. 15 Oct. 1953. Describes and names hybrid between *P. canningi* and *P. obscura*; regards these as ssp. of *P. cynthia*. Hybrid has usual dark and light areas of ground color reversed, and is said to breed true. [P. B.]
- Daniel, Franz, "Eine alpine Unterart von *Selenephora lunigera* Esp. (Lep. Lasiocampidæ)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 42: pp. 125-129, 1 pl. 15 Nov. 1952. Describes as new *S. l. burmanni* (Umhausen, Tirol). [P. B.]
- Daniel, Franz, "Zwei neue südamerikanische Arctiiden-Arten (Lep.-Het.)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 42: pp. 130-133, 1 pl. 15 Nov. 1952. Describes as new *Amastus zischkai* (Liriuni, Dep. Cochabamba, Bolivia, 3100 m.); *Prumala hænkei* (Yungas del Palmar, Bolivia, 2000 m.). [P. B.]
- Daniel, Franz, "Monographie der Cossidæ. I. (Lep.-Het.). Kritische Beurteilung der bisher dem Genus *Stygia* Latr. zugeteilten Arten" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 159-181, 1 pl. 1 Aug. 1955. Describes as new *PSYCHIDOSTY-GIA* (type *Stygia colchica*). Transfers *S. ledereri* & *S. psyche* to *Dieida* (Zeuzerinae); *S. tricolor*, *S. deratis*, & *S. æthiops* to *Psychidostygia*. Repeats and discusses earlier descriptions and gives additional information on above spp. and on *S. australis* & *S. hades*. [P. B.]
- Das, G. M., "New psychids (Lep. Psychidæ) from Assam." *Ann. & Mag. Nat. Hist.*, 12th ser., vol. 9: pp. 526-528, 3 figs. July 1956. Describes as new *CATHOPSYCHE* (type *Acanthopsyche reidi*); *PSOMOCOLAX*, and type *P. katani* (Tocklai, Assam); *Clania mahanti* (Tocklai). Figures venation. [P. B.]
- Diakonoff, A., "Wissenschaftliche Ergebnisse der Sumba-Expedition des Museums für Völkerkunde und des Naturhistorischen Museums in Basel, 1949. Microlepidoptera. Part I" [in English]. *Verhandl. Naturforsch. Ges. Basel*, vol. 63: pp. 137-152, 15 figs. 30 July 1952. Describes as new (Phaloniidæ): *Clysiiana sumbana* (Mau Marru, E. Sumba); (Tortricinæ) *Homona umbrigeri* (Baing, E. Sumba); *ISODEMIS* (type *Batodes serpentiana*); *Mimeoclysia dentata* (Lokojengo, central Sumba). Figures genitalia of new entities and of relatives of *C. sumbana*. Records, with synonymy, distribution, and notes, 1 phaloniid, 10 tortricines, 1 schenorenid. [P. B.]
- Diakonoff, A., "Opmerkingen over *Bactra* Stephens (Lepidoptera, Tortricidæ)" [in Dutch]. *Ent. Berichten*, vol. 16: pp. 147-149. 1 Aug. 1956.
- Diakonoff, A., & H. E. Hinton, "Observations on species of Lepidoptera infesting stored products. XV: On a new genus of Nemapogoninae (Tineidæ)." *Entomologist*, vol. 89: pp. 31-36, 18 figs. Feb. 1956. Describes as new *HAPLOTINEA* (type *Tinea insectella*); also describes mature larva of *H. ditella*. [P. B.]

Draudt, M., "Beiträge zur Kenntnis der Agrotiden-Fauna Chinas. Aus den Ausbeuten Dr. H. Höne's (Beitrag zur Fauna Sinica)" [in German]. *Mitt. Münchner Ent. Ges.*, vol 40: pp. 1-174, 18 pls. 1 Oct. 1950. Describes as new: (Mominæ) *Diphthera hönei* (Li-kiang); (Apatelinæ) *Craniophora taipaihana* (Tai-pei-shan), *C. similima* (Li-kiang), *C. inquieta* (W. Tien-mu-shan); *Acronycta geminata* (Batang), *A. yangtseana* (Batang; A-tun-tse), *A. metaxantha funesta* (Hoeng-shan); *Trisuloides nigerrima* (Li-kiang); (Bryophilinæ) *Bryophila prasina* (Mien-shan), *B. canis-parsa* (Li-kiang), *B. tripuncta* (Mien-shan), *B. brunnea* (Li-kiang), *B. minutissima* (W. Tien-mu-shan), *B. m. hunana* (Hoeng-shan); *CHYTOBRYA*, and type *C. bryophiloides* (A-tun-tse; Mien-shan), *C. fraudatrix* (Batang; A-tun-tse), *C. perlopsis* (Batang), *C. albida* (Yangtse-tal, Batang); *Ederemia nanata* (A-tun-tse), *Æ. esox* (Tai-pei-shan, etc.); (Hadeninæ) *Trichestra chinensis* (Li-kiang, etc.), *T. persimilis* (Batang, 5000 m.); *Discestra mienshanii* (Mien-shan); *Odontestra atuntseana* (A-tun-tse), *O. roseomarginata* (Hoeng-shan; W. Tien-mu-shan); *Anarta albicilia* (Batang; A-tun-tse); *Lasiestra alpina* (Batang, 5000 m.), *L. poliades* (Batang, 5000 m.), *L. leuconephra* (A-tun-tse; Batang), *L. aplectoides* (A-tun-tse; Li-kiang); *Polia albirina* (Tai-pei-shan), *P. lasiistrina* (Batang; Li-kiang), *P. yuennana* (A-tun-tse; Batang), *P. costirufa* (Batang, 2600 m.), *P. roseipicta* (A-tun-tse), *P. griseifusa* (A-tun-tse, etc.), *P. albomixta* (Li-kiang), *P. atrax* (A-tun-tse), *P. suavina* (Hoeng-shan), *P. abnormis* (Tai-pei-shan; Mien-shan); *Harmodia confucii* (Li-kiang), *H. persparcata* (A-tun-tse), *H. perornata* (Tai-pei-shan; Li-kiang), *H. gemella* (Batang; A-tun-tse), *H. corrupta splendida* (Batang; A-tun-tse), *H. exima gloriosa* (Batang; A-tun-tse); *Hadula sublimis* (A-tun-tse; Batang); *Tiracola magusina* (Li-kiang); *LASIRIDIA* (monobasic), *L. iomelas* (Batang, 5000 m.); *Hyssia hadulina* (Yangtse-Tal, Batang; A-tun-tse), *H. adusta* (Hoeng-shan; W. Tien-mu-shan), *H. tessellum* (Li-kiang); *Eriopyga cirphidia* (Mokan-shan); *Morrisonia angarensis* (Li-kiang); *Perigrapha uniformis* (Tai-pei-shan), *P. albilinea* (Batang, 5000 m.); *Physetica agrotiformis* (A-tun-tse); *Panolis exquisita* (W. Tien-mu-shan), *P. pinicortex* (Hoeng-shan; Li-kiang); *Cerapteryx pæcila* (Li-kiang), *C. fumosa* (A-tun-tse); *Cirphis foranea* (Li-kiang), *C. pallidior* (Li-kiang), *C. undina* (Mokan-shan, etc.), *C. transversata* (Li-kiang), *C. resadia* (Hoeng-shan), *C. macellaria* (Hoeng-shan; W. Tien-mu-shan), *C. tricuspis* (A-tun-tse, 3000 m.), *C. mesotrostella* (A-tun-tse), *C. mesotrostina* (Tai-pei-shan), *C. striatella* (A-tun-tse; Batang), *C. sigma* (Tai-pei-shan), *C. pastearis* (Tai-pei-shan), *C. discilinea* (Li-kiang); *Leucania monimalis* (Li-kiang), *L. cuneilinea* (Li-kiang), *L. rufotumata* (Li-kiang); (Cucullianæ [sic!]) *Lophoterges hönei* (Batang, 5000 m.), *L. fidia* (A-tun-tse); *Callierges dresekei* (A-tun-tse; Li-kiang); *DASIERGES* (monobasic), *D. poliasis* [sic!] (A-tun-tse; Li-kiang); *CHARIERGES*, and type *C. nigralba* (Li-kiang; A-tun-tse), *C. brunneo-media* (A-tun-tse); *Bombycia pygmaea* (A-tun-tse, 4500 m.), *B. aplectoides* (A-tun-tse, 4500 m.); *BOMBYCIELLA*, and type *B. talpa* (Tai-pei-shan), *B. sericea* (Mokan-shan, etc.); *Dichonia areolona* (A-tun-tse; Hoeng-shan); *Nyctycia pectinata* (A-tun-tse; Batang); *Meganephria albithorax* (Hoeng-shan; Li-kiang), *M. adusta* (A-tun-tse); *Eumichtis euplexina* (Li-kiang), *E. prætermissa* (W. Tien-mu-shan); *Valeria euplexina* (Li-kiang), *V. muscosula* (A-tun-tse; Li-kiang), *V. mieshani* (Mien-shan, 2000 m.); *Antitype shensiana* (Tai-pei-shan); *Sydiza versicolora* (Li-kiang); *Althamasta polioides* (Batang, 2800 m.); *Bryotype harmodina* (Li-kiang); *Blepharidia smaragdistic* (A-tun-tse), *B. lamida* (A-tun-tse; Li-kiang), *B. pæcila* (Li-kiang), *B. olivascens* (Li-kiang), *B. retrahens* (Li-kiang; Tai-shan), *B. retracta* (Li-kiang; A-tun-tse); *Trichoridia leuconephra* (Li-kiang), *T. flavescens* (Li-kiang); *Hypsophila alpina* (Batang, 5000 m.); *TRICHOSTERNUM* (monobasic), *T. likianga* (Li-kiang); *Eupsilia sodalis* (Hoeng-shan); *Conistra castaneofasciata punctillum* (Li-kiang), *C. ardescens grisescens* (Lung-tan; Hoeng-shan); *Cosmia aurantiago* (Li-kiang; Tai-shan), *C. japonago likianago* (Li-kiang); *Parastichtis longilinea* (W. Tien-mu-shan), *C. cirphidiago* (A-tun-tse; Li-kiang); (Zenobiinæ) *Amphipyra costiplaga* (Li-kiang), *A. acheron* (Li-kiang; Tai-pei-shan), *A. charon* (Hoeng-shan), *A. deleta* (Tai-pei-shan); *Gracillipalpus subsignatus* (Li-kiang); *Parastichtis longilinea* (Tai-pei-shan), *P. petrolignea* (Batang, 5000 m.), *P. submediana* (W. Tien-mu-shan); *Trachea prasinatra* (Tai-pei-shan, etc.), *T. tsinlinga* (Tai-pei-shan; Likiang); *Euplexia columbia* (Tai-pei-shan), *E. jordansi* (Li-kiang), *E. nigrina* (Li-kiang); *Perigea cyclicoides* (Hoeng-shan, etc.), *P. atronitens* (Hoeng-shan), *P. rubecula* (Hoeng-shan; W. Tien-mu-shan), *P. cinifacta* (Mien-shan), *P. affinis* (Mien-shan); *Oligia niveiplaga* (Lingping, S. China), *O. mediofasciata* (W. Tien-mu-shan), *O.*

apameoides (Hoeng-shan), *O. nigrithorax* (W. Tien-mu-shan), *O. sodalis* (Hoeng-shan); *TÆNEREMA* (monobasic), *T. hōnei* (Mien-shan); *Agroperina rufa* (Li-kiang); *Lasiplexia cupreomicans* (A-tun-tse), *L. figulimargo* (Li-kiang), *L. semirena* (W. Tien-mu-shan); *Trigonophora meticulodina* (Li-kiang); *Chutapha beata* (Li-kiang); *Eriopus batanga* (Yangtse-tal, Batang), *E. quadralba* (Batang; A-tun-tse); *Pæcilogramma bellissima* (Li-kiang); *Telesilla curiosa* (Hoeng-shan); *Fagitana gigantea* (Li-kiang); *Chytonix adusta* (A-tun-tse, 3000 m.), *C. albiquadrata* (W. Tien-mu-shan; Lung-tan), *C. imitans* (A-tun-tse), *C. latipennis* (Hoeng-shan, etc.), *C. erastroides* (Mokan-shan; E. Tien-mu-shan), *C. minima* (A-tun-tse); *Aucha tien-mushani* (W. Tien-mu-shan; Hoeng-shan), *A. pronans* (Li-kiang), *A. disyx* (Lung-tan); *RHABINOGANA* (monobasic), *R. albistriga* (Yangtse-tal, Batang; A-tun-tse); *Amphidrina tibetica* (Batang); *Hadjina attinis* [sic!] (Batang, 2800 m.); *MIRACOPA* (monobasic), *M. prodigiosa* (Mien-shan); *Platysenta tibetica* (Batang, 2800 m.); *Lophotyna argillacea* (Hoeng-shan, 900 m.); *PRIONOXANTHIA* (monobasic), *P. cinnamomia* (Tai-pei-shan; W. Tien-mu-shan); *Pyrrhia stupenda* (A-tun-tse; Li-kiang), *P. abrasa* (Tai-pei-shan); *Cytocanis ceralcina* (Batang); *IPIRISTIS* (monobasic), *I. boursini* (Li-kiang); *Calymnia inconspicua* (Mien-shan); *Enargia fuliginosa* (A-tun-tse; Batang); *Nonagria dubiosa* (no locality, not described); *Arenostola punctivena* (Mien-shan, 2000 m.); *Calamistis longistriga* (Tai-pei-shan); *Oria extraordinaria* (Tai-pei-shan; A-tun-tse); *CALLIOCLOA* (monobasic), *C. trapezoides* (Li-kiang; Batang); (Erasirianæ [sic!]) *Eublemma batanga* (Batang, 2800 m.); *Stenobla marina* (W. Tien-mu-shan; Hoeng-shan), *S. basiviridis* (W. Tien-mu-shan), *S. oculata* (Hoeng-shan, etc.); *Phyllophila yantsea* (Batang, 2800 m.); *Ozarba acantholipina* (Li-kiang); *Lithacodia gracilior* (Tai-pei-shan), *L. superior* (Li-kiang), *L. olivella* (Batang, 2800 m.), *L. albiclava* (Batang, 2800 m.); *MELALEUCANTHA* (monobasic), *M. albibasis* (Mien-shan); *CHAMYRISILLA* (monobasic), *C. ampollata* (W. Tien-mu-shan; Hoeng-shan); *Eustrotia plumbicilla* (Batang, 2800 m.), *E. curvibasis* (Li-kiang; Tai-shan); (Eutelianæ [sic!]) *Eutelia hamulatrix* (W. Tien-mu-shan); *Marathyssa cuneades* (Hoeng-shan; (Sarrothripinæ) *Risoba rectilinea* (Hoeng-shan, etc.); *Tyana fuscitorna* (W. Tien-mu-shan), *T. hōnei* (A-tun-tse; Batang); *Hylophilodes elegans* (Li-kiang), *H. nereida* (Tai-pei-shan), *H. amarilla* (A-tun-tse; Batang); *Gelastocera fuscibasis* (W. Tien-mu-shan), *G. discalis* (Li-kiang); *Tympanistis yuennana* (A-tun-tse, 3000 m.); *Westermannia nobilis* (W. Tien-mu-shan), *W. jucunda* (Hoeng-shan), *W. antaplegica* (Mien-shan, 2000 m.), *W. a. ochracea* (W. Tien-mu-shan), *Negeta noloides* (Hoeng-shan, etc.); (Catocalinæ) *PALÆOSAFIA* (monobasic), *P. hōnei*; (Phytometrinæ) *Plusidia imperatrix* (Li-kiang; Taipei-shan); *Phytometra lenzeni* (Tai-pei-shan), *P. intermixta* (W. Tien-mu-shan, etc.); (Ophiderinæ) *Raphia corax* (A-tun-tse); *Sypna pretiosissima* (W. Tien-mu-shan); *Polydesma discalis melli* "sp.n." (Hoeng-shan, etc.); *Toxocampa vicie violaceogrisea* "sp.n." (A-tun-tse; Batang), *T. augustissima* (Li-kiang); *Athyra triangulifera* (Li-kiang; A-tun-tse); *Baniana coherens* (Hoeng-shan); *Boculia gædei* (W. Tien-mu-shan); *Calpe gruësa* (W. Tien-mu-shan; Tai-pei-shan); *Brevipecten costiplaga* (W. Tien-mu-shan); *Zethes bella* (W. Tien-mu-shan); *Thyrostipa chekiana* (W. Tien-mu-shan). Types in Bonn Museum. Holotype and type localities generally not identified. Adults of most new entities, and ♂ genitalia of a few spp., are figured. A few 'forms' are also named. Descriptive notes on *Craniophora albonigra*, *Trisuloides luteifascia*, *Hylophilodes pacifica*, *Phytometra intermixta*, *Balciana staulingeri*. Records of 4 Agaristidæ & some 555 Noctuidæ. [P. B.]

Dufay, C., "Description d'une nouvelle espèce d'*Abrostola* O. (Lep. Phal.) (Note préliminaire)" [in French]. *Bull. mens. Soc. Linn. Lyon*, vol. 25: pp. 89-90. Feb. 1956. Describes as new *A. agnorista* (S. France). [P. V.]

Dufay, C., "Une *Abrostola* nouvelle de Provence (Agrotidæ)" [in French]. *Rev. franç. Lépid.*, vol. 15: pp. 151-158, 3 pls. Nov. 1956. New description of *A. agnorista* and note on *A. clarissa* "valida species." [P. V.]

Dufrane, Abel, "Lépidoptères du Kivu (5^e note)" [in French]. *Bull. & Ann. Soc. Ent. Belg.*, vol. 89: pp. 41-57. 28 Feb. 1953. Describes as new *Liptena mwagensis* (Mwago Plateau); *Epitola pulverulenta* (R. Nakele, Masisi Territory); also numerous aberrations & 'forms'. Annotated list of some 50 butterflies and one arctiid (*Diacrisia investigatorum*), whose larva is described. No figures. [P. B.]

Dufrane, A., "Microlépidoptères de la faune paléarctique" [in French]. *Mém. Soc. Ent. Belg.*, vol. 27: pp. 184-193. 1956. Describes as new: (Phycitidæ) *Saluria neftensis*

- & *Eurhodope arenella* (S. Tunisia); (Gelechiidæ) *Bryotropha neftensis* & *B. subnigriceella* (S. Tunisia); *Eremica siciliana* (Sicily); (Stigmellidæ) *Stigmella ilicivora nigra* (Portugal). [P. V.]
- Ehrlich, Paul R., "The distribution and subspeciation of *Erebia rossii* Curtis (Lepidoptera: Satyridæ)." *Trans. Amer. Ent. Soc.*, vol. 78: pp. 75-88. 8 Aug. 1952. Redescribes the 4 American ssp.; records localities; describes ♀ genitalia. Key to ssp. [P. B.]
- Ehrlich, Paul R., "The distribution and subspeciation of *Erebia epirodea* Butler (Lepidoptera: Satyridæ)." *Univ. Kansas Sci. Bull.*, vol. 37: pp. 175-194, 3 figs., 1 map. 15 Oct. 1955. Redescribes 4 North American ssp. and figures types of all. Discusses variation and distribution and maps range of ssp. with collection localities; suggests method of origin of existing races [P. B.]
- Ellison, R. E., "The identity of *Bæcula gallopavo* Walker and *Lepidodes limbatula* Guenée (Lep., Noctuidæ)." *Entomologist*, vol. 85: pp. 247-248 [10] Nov. 1952. Establishes application of names, from types; corrects synonymy. [P. B.]
- Evans, W. H., "A revision of the genus *Curetis* (Lepidoptera: Lycænidae)." *Entomologist*, vol. 87: pp. 190-194, 212-216, 241-247, 1 pl. "Sept." [28 Oct.], "Oct." [15 Nov.] "Nov." [10 Dec.] 1954. Describes as new *C. thetis kondula* (Kondul Is.), *C. tagalica labuana* (Labuan), *C. regula* (Puto Laut, Borneo), *C. siwa* (N. Kanara, S. India), *C. bulis doxa* (Hainan, interior), *C. tonkina* (Muong Khuong, Laokay, Upper Tonkin), *C. dentata denta* (Canton), *C. acuta naga* (Phešima, Naga Hills). Catalogue, in key form, giving location of type and specimens in British Museum; figures of ♂ genitalia of spp. and some ssp. [P. B.]
- Evans, W. H., "The butterfly *Thecla triloka* Hannyngton (Lepidoptera — Lycænidae)." *Journ. Bombay Nat. Hist. Soc.*, vol. 53: pp. 144-145. Aug. 1955. Removed from synonymy under *T. syla*. [P. B.]
- Evans, W. H., *Addenda and corrigenda to the "Catalogue of American Hesperiidæ" published by the Trustees of the British Museum (Natural History)*. 4 pp. London: British Museum (Nat. Hist.). 16 Aug. 1956.
- Farrier, Maurice, & Oscar E. Tauber [& Carl Heinrich], "*Diorcytria disclusa* Heinrich, n.sp. (Phycitidæ) and its parasites in Iowa." *Iowa State Coll. Journ. Sci.*, vol. 27: pp. 495-507, 2 figs. July 1953. Heinrich describes as new *D. disclusa* (Tryon, North Carolina). Authors describe larva and biology; foodplants *Pinus* spp. 12 spp. of parasites are recorded. [P. B.]
- Fernández, Ambrosio, "Formas nuevas de lepidópteros españoles, y otra ya antigua, pero todavía mal conocida" [in Spanish]. *Rev. Acad. Cienc. Madrid*, vol. 45: pp. 327-331, 1 pl. 1951. Redescribes *Agrotis suffusa* and a named variety; names one 'form' of *Rhodocleptria incarnata*, and describes an aberration of *Polygonia c-album*. [P. B.]
- Fletcher, D. S., "Some notes on the genus *Aphilopta*." *Entomologist*, vol. 89: pp. 53-55, 1 pl. March 1956. Describes as new *A. nubilata castaneata* (Kaptagat, Kenya; on shrub of Flacourtiaceæ); *A. n. lapillata* (Nakuru, Kenya; on *Gymnosporia buxifolia*). Describes genitalia of *A. nubilata* and *A. caeca* and distinguishes them from *A. mai-laria*; describes larva of *A. n. castaneata*. [P. B.]
- Fletcher, D. S., "*Spodoptera mauritia* (Boisduval) and *S. triturrata* (Walker), two distinct species." *Bull. Ent. Res.*, vol. 47: pp. 215-217, 1 pl. July 1956. Redescribes spp.; gives synonymy; distribution: *S. mauritia*, Madagascar to Hawaii; *S. triturrata*, Africa. [P. B.]
- Fletcher, T. Bainbrigge, "A small *Euchalcia gamma*." *Ent. Rec. & Journ. Var.*, vol. 62: pp. 107-108. 15 Dec. 1950. Claims that *Plusia* is invalid in Lepidoptera and gives synonymy. [P. B.]
- Fox, Richard Middleton, "The evolution and systematics of the Ithomiidæ (Lepidoptera)." *Univ. Pittsburgh Abs. Diss., 1948*: pp. 36-47. 5 June 1949. Abstract. Discusses relationships and presumed ancestry of family, speciation, nomenclature, and morphology. Gives a summary of classification down to tribe, listing genera discussed more fully in dissertation. [P. B.]
- Fox, Richard M., "The taxonomic value of male genitalia in the Ithomiidæ (Lepidoptera)." *Syst. Zool.*, vol. 1: p. 185. 1952. Abstract.
- Fox, Richard M., "Speciation in the Ithomiidæ." *Journ. Colo.-Wyo. Acad. Sci.*, vol. 4, no. 5: p. 61. Dec. 1955. Abstract.
- Fox, Richard M., "A monograph of the Ithomiidæ (Lepidoptera). Part. 1." *Bull. Amer. Mus. Nat. Hist.*, vol. 111: pp. 1-76, 9 pls. 75 figs. 9 July 1956. Describes as new MECHANITINI and NAPEOGENINI, as tribes of Ithomiinæ; also, in the tribe

- Tithoreini: *Eutresis hypereia banosana* (Banos, Tungurahua, Ecuador); *Patricia deryclidias hazelea* (San Pablo, near Banos, Ecuador); *Olyras crathis weeksi* (Ecuador); *Tithorea harmonia deltana* (Tucupito, Delta Amecuro, Venezuela), *T. h. manabiana* (Palmar, Manabi, W. Ecuador), *T. h. martina* (Rioja, Rio Seco, W. Peru); *Elzunia humboldtii judsoni* (NE Peru), *E. atahualpa* (NE Peru). This part deals with history, morphology, & relationships of the family and with Tellervinae and Tithoreini, including, in addition to those mentioned, the genera *Roswellia*, *Athesis*, *Eutresis*, and *Athyrtis*. All genera are redescribed. Wings of all but 3 ssp. of Tithoreini are figured; text figures illustrate structural characters of genera and distribution of all forms. Keys are given to tribes, genera, and species. The subfamily Tellervinae is discussed, but the single polytypic species, *Tellerwo zoileus* (Indo-Australian) is not revised. Records of specimens of Tithoreini are given in a separate section. [P. B.]
- Franclemont, John G., "The species of the *Leucania unipuncta* group, with a discussion of the generic names for the various segregates of *Leucania* in North America (Phalaenidæ, Hadeninæ)." *Proc. Ent. Soc. Washington*, vol. 53: pp. 57-85, 41 figs. April 1951. Considers the group of species roughly included between nos. 1956 and 2000 in McDunnough's 1938 *Checklist*. Lists all generic names previously applied to this group and then divides the species between *Faronta* Smith (used for *Protoleucania* McD.), *PSEUDALETIA* n.g., type *P. unipuncta* (used for the *unipuncta* group), *Aletia* Hbn. (for *oxygale* and its varieties), and *Leucania* Ochs, which receives the bulk of the species. The following species of *Pseudaletia* are described as new: *cunyada* (Bogota, Colombia), *roraimæ* (summit of Mt. Roraima Brazil), *sequax* (Jalapa, Mexico), *australis* (S. Australia, Port Victor), *idisana* (Baguio, Mountain Prov., Luzon, Philippine Is.), and *P. unipuncta quechua* (Incachaca, Cochabamba, Bolivia). Excellent drawings of ♂ and ♀ genitalia are given for all new forms and for others of importance in the discussion. *Protoleucania albilinea* is removed from our lists as South American, leaving the name *diffusa* for the well-known Wheat Head Army Worm. [W. C.]
- Freeman, H. A., "Notes on *Megathymus yuccæ* (Boisduval & LeConte) with description of a new subspecies (Lepidoptera, Rhopalocera, Hesperiidæ)." *Field & Lab.*, vol. 20: pp. 29-33. Jan. 1952. Describes as new *M. y. buchholzi* (Jupiter, Fla.; reared from *Yucca gloriosa*). Sinks *M. y. alabamæ* to *M. y. yuccæ*. Selects neotype for latter & redesigns it. [P. B.]
- Gabriel, A. G., "The recently discovered female of a rare *Charaxes* (Lepidoptera Nymphalidæ)." *Entomologist*, vol. 87: p. 267. [30] Dec. 1954. Gives first description of ♀ *C.ourniereæ* from Kenya. [P. B.]
- Gillham, Nicholas W., "Geographic variation and the subspecies concept in butterflies." *Syst. Zool.*, vol. 5: pp. 110-120, 24 figs. Sept. 1956. An analysis of several taxonomic papers on geographic varieties of butterflies to determine the utility of subspecific names. His results are best stated in this paragraph from his conclusions: ". . . . racial partition of butterflies is not only arbitrary but it must also weight some variables and ignore others, without regard for the biological significance of any of them. The best that can be hoped for now is an analysis of variation by individual characters, avoiding arbitrary subdivision of the species. Such analysis will eventually yield a less distorted picture of species formation than that to which the artificial subspecies now inevitably leads." [W. C.]
- Hartig, F., & H. G. Amsel, "Lepidoptera Sardinica" [in Italian and German; English summary]. *Fragmenta Ent.*, vol. 1: pp. 1-152, 16 photos, [2] + 51 figs. 1951. Hartig describes as new: (Pyralidæ) *Crambus amseli* (Taccu Zippiri; Ortuabis; type locality not stated); *Metasia ophialis sardinica* (5 localities); *CLASPERIA* (subgenus of *Metasia*; type *M. ophialis*). Amsel describes as new: (Pyralidæ) *Heterographis calaritanella* (Cagliari); (Pterophoridæ) *Agdistis pseudosatana* (3 localities), *A. tyrrhænica* (2 localities); (Tortricidæ) *Cnephasia nuraghana* (S. Caterina), *C. tyrrhænica* (Porto Santoru); *Lozopera albella* (Porto Santoru), *L. flagellana sardea* (Sadali); (Gelechiidæ) *Pleurota grisea* (Porto Santoru); *Schützeia serratella* (no exact locality); *Bryotropha saralella* (4 localities), *B. pallorella* (Porto Santoru & S. Caterina), *B. mulinoides* (Porto Santoru), *B. gallurella* (5 localities), *B. arabica* (Palestine & Mesopotamia, 5 localities); *Phthorimæa birneri* (Sadali), *P. flavidorsella* (Cagliari), *P. halymiphaga* (Cagliari; on *Atryplex halymus*), *P. calaritanella* (Cagliari-Poetto & Cagliari); (Blastobasidæ) *Blastobasis roscidella magna* 'sp. n.' (Porto Santoru); (Coleophoridæ) *Coleophora tyrrhænica* (2 localities), *C. gallurella* (Tem-

- pio); (Gracillariidæ) *Lithocolletis cytiscus* (Aritzo; on *Cytiscus triflorus*); (Tineidæ) *TINEIFORMIA* (monobasic), *T. sardica* (Muravera); *Gallura tirsella* (Flumendosa, near Gadoni); (Elachistidæ) *Elachista nuraghella* (Tempio-Pausania), *E. boursinini* (sic! named for Boursin) (Muravera), *E. tyrrhænica* (Muravera). All localities in Sardinia, except those for *Brytrophra arabica*. Work consists of 4 parts: annotated list of Macrolepidoptera, by Hartig; annotated list of Microlepidoptera, by Hartig & Amsel (with first 3 new entities, and at least one new 'ab. '); descriptions of new species and taxonomic notes, by Amsel; list of Sardinian Microlepidoptera in Staudinger collection, by Hartig. The summary lists new spp. and 'forms' (all listed as if sspp.) resulting from field work (1936) on which this paper is based; some of these new entities are described in other papers, which is not indicated here. Interruption of the work by the war is insufficient excuse for presenting it in such careless and confusing form. [P. B.]
- Hemming, Francis, "Proposed use of the Plenary Powers to designate a type species in harmony with current usage for the genus *Cupido* Schrank, 1801 (Class Insecta, Order Lepidoptera) and matters incidental thereto." *Bull. Zool. Nomencl.*, vol. 12: pp. 267-274. 31 Oct. 1956. Selects lectotype for *C. puer* Schrank, thereby sinking name to *minimus* Fuessly. Requests designation of *minimus* as type of *Cupido*; placement on Official List of *Cupido*, *Everes*, *Maculinea*, *minimus*, *argiades*, *alcon*, *arion*, *Everidi*, *Cupidinidi*; placement on Official Indexes of *Argus* Boisduval, *puer*, *amyntas* D. & S., *Cupididi*. [P. B.]
- Hemming, Francis, "Proposed use of the Plenary Powers (a) to secure that the name *jurtina* Linnæus, 1758, shall be the oldest available specific name for the species currently known as *Maniola jurtina* (Linnæus, 1758) and (b) to protect the family-group name *Manioli* Verity, 1953 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol. 12: pp. 279-286. 31 Oct. 1956. Selects lectotype for *Maniola lemur*, thereby sinking name to *jurtina*. Requests direction that *jurtina* be given precedence over *janira*; placement on Official Lists of *Maniola*, *Erebia*, *jurtina*, *janira*, *fortunata* Alphéraky, *ligea*, *Manioli* Verity, *Erebiinæ* Tutt; placement on Official Indexes of *Epigea*, *lemur*, *Manioli* Reuter, *Epinephelidi*. [P. B.]
- Hemming, Francis, "Proposed use of the Plenary Powers to validate the spelling 'Pieridæ' as against the spelling 'Pierididæ' as the family-group name based on the generic name *Pieris* Schrank, 1801 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol. 12: pp. 291-306. 30 Nov. 1956. Includes appendices giving original request by Paclt for validation of *Pierididæ* (the etymologically correct name) and statements of specialists for and against proposal. [P. B.]
- Hemming, Francis, & N. D. Riley, "Proposed suppression under the Plenary Powers of the generic names *Chrysophanus* Hübner, 1818 and *Bithys* Hübner, 1818 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol. 13: pp. 13-21. 25 Jan. 1957. Authors, as first revisers, select *Strymon* to take precedence over *Chrysophanus* and *Bithys*; all were published in the same work and all apply to species presently lumped under *Strymon*. Request conservation of *Strymon*, *Strymonidia*, *melinus*, *thalia*, *leucophaeus*, & *Strymonidi*; placement on Official Indexes of *Bithys*, *Chrysophanus*, *Bythis*, *Leachia* Tutt, & *Chrysophanidi*. [P. B.]
- Hemming, Francis, & N. D. Riley, "Proposed suppression under the Plenary Powers of the specific name *anonyma* Lewis (W. A.), 1872, as published in the combination *Limenitis anonyma* (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol. 13: pp. 257-263. 26 Aug. 1957. Requests suppression of this name, which was evidently proposed merely as an ironic protest against other changes in nomenclature, and its placement on Official Index together with *innominata* Lewis and *camilla* D. & S.; placement on Official List of *camilla* L., *reducta* Staudinger, *schiffermülleri* Higgins, & *rivularis* Scopoli. [P. B.]
- Hemming, Francis, & H. Stempffer, "Proposed use of the Plenary Powers to preserve the generic names *Liptena* Westwood, [1851], and *Pentila* Westwood [1851] (Class Insecta, Order Lepidoptera) for use in their accustomed sense and to prevent the transfer of those names to genera for which they have never been employed." *Bull. Zool. Nomencl.*, vol. 13: pp. 280-286. 30 Sept. 1957. Requests fixation of *undularis* as type of *Liptena* & of *tropicalis* as type of *Pentila*; suppression of *Tingra* (a senior synonym of *Pentila*); & placement of names on appropriate Official Lists. [P. B.]
- Hennig, Willi, H. Bollmann, & J. Machatschke, "Kritische Bemerkungen zum phylogenetischen System der Insekten" [in German]. *Beitr. Ent.*, vol. 3, suppl.: pp. 1-85, 12 figs. June 1953. Very important review of the classification and phylogeny of insects,

- with a discussion of the theoretical basis of systematics, on which the succeeding special part is based. Relationships and major groups within the Lepidoptera are discussed. List of 'recent' monographs of all families of insects. [P. B.]
- Herbulot, Cl., "Les *Hypocæla* malgaches" [in French]. *Lambillionæa*, vol. 56: pp. 51-57, 1 pl., 7 figs. Nov. 1955. Describes as new (Geometridæ, all from Madagascar) *H. magica*, *H. infracta*, *H. abstrusa*, *H. lurida*, *H. saturnina*, *H. angularis*, *H. fasciata*. Keys to ♂♂ and ♀♀. [P. V.]
- Herbulot, Cl., "Un nouveau *Dioptrochasma* d'Afrique équatoriale (Lep. Geometridæ Ennomiæ)" [in French]. *Bull. Soc. Ent. France*, vol. 61: p. 92, 1 fig. Sept. 1956. Describes as new *D. mercyi* (French Equatorial Africa: M'baïki, N. of Moyen Congo). [P. V.]
- Herbulot, Cl., "Une espece mal connue: *Gnophos (Elophos) unicoloraria* Staudinger" [in French]. *Lambillionæa*, vol. 56: pp. 27-30. Oct. 1955. Note on the geometrid *G. unicoloraria*, figured without generic assignment by Rambur in the Catalogue of the Lepidoptera from Andalusia and named by Staudinger in his Catalogue (1871: 173). The different subspecies are studied. [P. V.]
- Hering, Erich M., "*Coleophora pulmonariella* Rag., bon. sp., neu für Deutschland" [in German]. *Deutsche Ent. Zeitschr.*, N. F., vol. 2: pp. 121-126, 3 figs. 15 May 1954. Distinguishes this sp. from *C. albitarsella* and describes genitalia of both. Foodplants Boraginacæ and Labiatæ respectively. [P. B.]
- Hering, Erich Martin, "Eine neue *Nealyda* von Argentinien (Lep. Gelech.)" [in German]. *Deutsche Ent. Zeitschr.*, N. F., vol. 2: pp. 322-325, 4 figs. 15 Nov. 1955. Describes as new *N. bougainvilleæ* (San Pedro de Colaloe, Tucuman, Argentina); describes mine in leaves of *Bougainvillea* sp. Gives key to spp. of genus. [P. B.]
- Herrera, José, "Ausencia de dimorfismo sexual en *Colias flaveola* Blanchard 1852 (Lepidoptera Pieridæ)" [in Spanish; English summary]. *Rev. Chilena Ent.*, vol. 2: pp. 173-177, 4 figs. 19 Dec. 1952. Redescribes sp., figuring genitalia. Sexes are similar and resemble ♀♀ of other *Colias*; ♂♂ previously placed here are *C. zauthieri minuscula*. [P. B.]
- Herrera G., José, "Lepidopteros nuevos para Chile. Lepidoptera, Pieridae" [in Spanish; English summary]. *Rev. Chilena Ent.*, vol. 3: pp. 140-147, 12 figs. 30 April 1954. Describes as new *Tatochila blanchardi ernestæ* (Miñi-Miñi, Tarapaca Prov.). Notes on *Colias flaveola mossi*; records of *Phulia nymphula nymphæ* & *P. illmani*, all new to Chile. [P. B.]
- Higgins, L. G., "Butterfly collecting in U.S.A." *Entomologist*, vol. 86: pp. 207-210. "Sept." [25 Oct.] 1953. Describes as new *Clossiana freija browni* (Independence Pass, Pitkin Co., Colorado) — compared only with Scandanavian specimens! Comments on similarity of some Colorado and European butterflies, and gives brief notes on 8 of these [P. B.]
- Hinton, H. E., & Bradley, "Observations on species of Lepidoptera infesting stored products. XVI: Two new genera of clothes moths (Tineidæ)." *Entomologist*, vol. 89: pp. 42-47, 4 figs. Feb. 1956. Describes as new *TITÆNOSES* (type *Tinea thecophora*); *HERECECA* (type *Tineola uterella*); definitions include larval structure. [P. B.]
- Holik, C., "Zur Rassenfrage der *Zyg. ephialtes* L." [in German]. *Ent. Nachrichtenblatt*, vol. 4: pp. 15-20, 69-72; vol. 5: pp. 6-9, 28-31, 41-44, 57-59. 1952, 1953. On the correct application of the name *ephialtes* (type locality unknown; no pure race fitting Linnæus' description exists), and on the validity of some 'subspecies'; criticism of Reiss' revision in Seitz. [P. B.]
- Holik, Otto, & Leo Sheljuzhko, "Ueber die Zygænen-Fauna Osteuropas, Kleinasien, Irans, Zentralasiens und Sibiriens (Fortsetzung)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 26-158. 1 Aug. 1955. Describes as new *Z. (Celestis) tamara daralagezi* (Daralagez Mts., Armenia); *Z. (C.) manlia daralagezica* (Daralagez Mts.); *Z. (Peucedanophila) cynaræ centratorossica* (Voronezh region, Russia), *Z. (P.) c. transuralica* (Kalkanova, Transural region), *Z. (P.) c. adzharensis* (Transcaucasia); *Z. (Cirsiphaga) adsharica shemachensis* (Demeretshi, near Shemacha, Baku region, Transcaucasia); *Z. (Silvicola) scabiosa saratovensis* (Saratov region), *Z. (S.) s. sibirica* (Tobulsk region), *Z. (S.) s. altaica* (Altai), *Z. (S.) mana tarkiensis* (Tarki Mt., Dagestan); *Z. (Lictoria) achilleæ obratzovi* (Vesjolala Bakovenjka Park, Cherson, Russia), *Z. (L.) a. suchumensis* (Novy Afon, near Suchum, Transcaucasia), *Z. (L.) a. suatenica* (Suatenien, Transcaucasia), *Z. (L.) a. jagludarensis* (Zanzegur Mts., Armenia), *Z. (L.) a. pontica* (Amasia, Pontic region); also numerous 'forms'. Types and type

- localities generally not identified. Describes local and individual variation in 24 spp. of above subgenera and subgenus *Lycastes*. [P. B.]
- Hopkins, G. H. E., "*Eumenis semele thyone* and *Eumenis semele* ab. *thyone*." *Entomologist*, vol. 85: p. 171. 20 Aug. 1952. Objects to present form of Rules, which allow the same name to be used for subspecies and (different) 'variety' in same species. [P. B.]
- Horke, Arvid, "*Hydræcia nordstræmi* n. sp. (Lepid. Noctuidæ)" *Ent. Tidskr.*, vol. 73: pp. 13-16, 2 figs. 10 May 1952. Type locality Oeland Is., Sweden. Also names a melanic 'aberration'. [P. B.]
- Howarth, T. G., "A new species of butterfly of the genus *Niphanda* (Lep. Lycænidæ) from Malaya." *Entomologist*, vol. 89: pp. 162-163, 3 figs. July 1956. Describes as new *N. stubbsi* (Pahang, Fraser's Hill). [P. B.]
- Huggins, H. C., "The Irish race of *Gonepteryx rhamni* (Lep. Pieridæ)." *Entomologist*, vol. 89: pp. 63-66. March 1956. Describes as new *G. r. gravesi* (Kildare, Ireland). [P. B.]
- Inoue, Hiroshi, "*Anaitis perelegans* and its subspecies in Japan." *Mushi*, vol. 22: pp. 25-28, 6 figs. 15 March 1951. Redescribes *A. perelegans* and *A. p. kurilata*. [P. B.]
- Inoue, Hiroshi, "On the genus *Ptilophora* and *Ptilophoroides* (Notodontidæ)." *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 4: pp. 13-15, 7 figs. 1953. Sinks *Ptilophoroides* to *Ptilophora*; *P. sutchana* to *P. jezoensis*. Distinguishes 3 spp. (*plumigera*, *nohiræ*, *jezoensis*); figures adults & ♂ genitalia. [P. B.]
- Inoue, Hiroshi, "Miscellaneous notes on the Japanese Geometridæ (4)" [in Japanese; English summary]. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 4: pp. 24-28, 8 figs. 1954. Describes as new *Anagoga pulveraria montana* (Mt. Jōnen, Japan Alps), *A. p. jezoensis* (Futatsuyama, Kushiro, Hokkaido); *Geræus mirandus fujiyamai* (3 localities in mountains of Honshu) and several 'forms' and aberrations of these 2 spp. Sinks *Sterrrha invalida* Inoue to *S. bisetata*, *S. punctivalida* to *S. invalida* Butler; *S. galeata* to *S. trisetata*. [P. B.]
- Inoue, Hiroshi, "Miscellaneous notes on the Japanese Geometridæ (V)" [in Japanese; English summary]. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 5: pp. 25-27, 8 figs. 1954. *Cystidia agrionides* a synonym of *C. stratonice*; *C. truncangulata* distinct. Names 6 aberrations. [P. B.]
- Inoue, Hiroshi, "Four new species and one new subspecies of the Japanese Pyralidæ" [in English; Japanese summary]. *Trans. Lep. Soc. Japan*, vol. 6: pp. 20-22, 8 figs. 1955. Describes as new *Crambus montivagus* (Mt. Jōnen, Japan Alps), *C. antipinellus* (Hoppo-osen, Nagano Pref.); *Diptychophora japonica* (Takao-san, Tokyo); *Phostria harutai* (Mitsumine-san, Saitama Pref.); *Everggestis junctalis conjunctalis* (Marunuma, Gumma Pref.). [P. B.]
- Inoue, Soji, "Revisional studies on subspecies of Tribus Theclini from Japan (1, 2)" [in Japanese; English summary]. *Trans. Lep. Soc. Japan*, vol. 6: pp. 9-11, 17-19. 1955. Some names for Japanese subspecies in *Neozephyrus*, *Fævonius*, *Antigius*, & *Araragi* are sunk as synonyms. [P. B.]
- International Commission on Zoological Nomenclature, "Opinion 214. Designation, under the Plenary Powers, of a type species of the genus *Actinote* Hübner, [1819] (Class Insecta, Order Lepidoptera) in harmony with accustomed usage." *Opin. Decl. Intern. Comm.*, vol. 4: pp. 43-50. 8 March 1954. Type *thalia* L., names placed on *Official Lists*. [P. B.]
- International Commission on Zoological Nomenclature, "Opinion 232. Suppression, under the Plenary Powers, of twelve generic names in the Order Lepidoptera (Class Insecta) published by Illiger in 1807 in senses different from those in which those names were published by Fabricius later in the same year." *Opin. Decl. Intern. Comm.*, vol. 4: pp. 251-274. 21 April 1954. Rejected are Illiger's names *Apatura*, *Brassolis*, *Castnia*, *Emesis*, *Euplæa*, *Helicopsis*, *Mechanitis*, *Neptis*, *Nymphidium*, *Pontia*, *Urania*. Placed on *Official Lists*: Fabricius's genera (with types as noted) *Apatura (iris)*, *Brassolis (sophore)*, *Castnia*, *Emesis (cereus)*, *Mechanitis (polymnia)*, *Neptis (aceris)*, *Urania (leilus)* (other genera of Fabricius previously placed on *Official List*); also *caricæ* L. (type of *Nymphidium*), *corus* Fabr. (type of *Euplæa*), *cupido* L. (type of *Helicopsis*), *daplidice* L. (type of *Pontia*), *hyllas* L. (possibly conspecific with *aceris*). *Thymele* Illiger & *Thymele* Hübner are both rejected for purposes of priority but not homonymy. [P. B.]
- International Commission on Zoological Nomenclature, "Opinion 349. Acceptance of the emendation to *Enarmonia* of the generic name *Ernarmonia* Hübner, [1825] (Class

- Insecta, Order Lepidoptera." *Opin. Decl. Intern. Comm.*, vol. 10: pp. 439-450. 27 June 1955. *Enarmonia* and its type *formosana* placed on *Official Lists*. [P. B.]
- International Commission on Zoological Nomenclature, "Opinion 379. Designation under the Plenary Powers of a type species in harmony with accustomed usage for the genus *Sphinx* Linnaeus, 1758 (Class Insecta, Order Lepidoptera)." *Opin. Decl. Intern. Comm.*, vol. 11: pp. 423-430. 24 Jan. 1956. Type is *ligustri* L; names placed on *Official Lists*. [P. B.]
- International Commission on Zoological Nomenclature, "Direction 41. Addition to the *Official List of Family-group Names in Zoology* or, as the case may be, to the *Official Index of Rejected and Invalid Family-Group Names in Zoology* of the family-group names involved in Volume 11 of the *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature*, other than family-group names already dealt with in these Opinions." *Opin. Decl. Intern. Comm.*, vol. 11: pp. 433-452. 17 May 1956. Sphingidæ placed on *Official List*; 7 variants of this family name rejected. [P. B.]
- International Commission on Zoological Nomenclature, "Opinion 474. Determination of the dates to be assigned for the purposes of the Law of Priority to the names published in Dru Drury's *Illustrations of Natural History* in the period 1770-1782." *Opin. Decl. Intern. Comm.*, vol. 16: pp. 297-306. 31 Jan. 1957. Names date from [1773] (vols. I & II) and [1782] (vol. III). [P. B.]
- International Commission on Zoological Nomenclature, "Direction 59. Determination (a) of the method to be followed in citing for the purposes of zoological nomenclature the several portions in which the *Lepidotteri* volume by Orenzio Gabriele Costa of the work entitled *Fauna del Regno di Napoli* were published, and (b) of the dates which for the foregoing purposes are to be assigned to each of these portions." *Opin. Decl. Intern. Comm.*, vol. 15: pp. (i)-(xviii). 8 March 1957. Presents system of continuous pagination for this work, published in 48 unnumbered parts each beginning with page 1, and assigns dates to these parts (1836-1849). [P. B.]
- Janse, A. J. T., *The moths of South Africa. Volume IV, parts 1, 2 and 3. Jugatae, Adeliidæ and Nepticulidæ*. xxv+185 pp. *Plates to volumes III and IV*. 94 pls. Durban: 1942-48. Describes as new (Hepialidæ): *Dalaca aurifuscalis* (Port Elizabeth), *D. crudeni* (Alicedale), *D. guttata* (Haenertsburg), *D. homostola* (Johannesburg), *D. infumata* (Chirinda Forest, S. Rhodesia), *D. leniflua* (Salisbury), *D. minuscula* (Port Elizabeth), *D. orthocosma* (Capetown), *D. rivula* (Hog's Back, E. Cape Prov.), *D. vansonii* (Marieps Mt.); **ANTIHEPIALUS** (type *Hepialus antarcticus*); **METAEPIALUS** (type *Gorgopis plurimaculata*); *Gorgopis aurifuscata* (Marieps Mt.); *G. cochlias* (Stellenbosch), *G. furcata* (Bethlehem, Orange Free State), *G. hunti* (Tsono, E. Cape Prov.), *G. inornata* (Bloemfontein), *G. lobata* (Bethlehem, Orange Free State), *G. pallidiflava* (Bethlehem), *G. serangota* (Bushman's Land), *G. subrimosa* (Stellenbosch); and, in an appendix, *Metahepialus plurimaculata* (Jonkersberg, Knysna Distr.), *M. angustiptera* (Van Rhynsdorp); *Antihepialus capeneri* (Mtunzini, Zululand). (Prototheoridæ): *Prototheora cooperi* (Grahamstown). (Adeliidæ): *Ceromitia punctulata* (Wylie's Poort, N. Transvaal), *C. delta* (Kasonga, Cape Colony), *C. monopectinifera* (near Llandudno, Cape Peninsula), *C. decepta* (Marieps Mt.), *C. multipunctata* (Kleinmond, Cape Prov.), *C. phœocomoides* (Woodbush), *C. alboparsa* (Simonstown), *C. bipectinifera* (Cape Town); *C. (Agisana) devia* (Abachaus, S. W. Africa), *C. (A.) fuscipunctella* (Umtali, Southern Rhodesia); *C. (HAPLOTYPYA)* (type *C. pratexta*), *C. (H.) synchrona* (Nkwaleneni), *C. (H.) brevilobata* (Karkloof), *C. (H.) heteroloba* (Mahuba's Kloof, Zoutpansberg Distr.), *C. (H.) impura* (Tembuland), *C. (H.) unguiphora* (Pongola R.), *C. (H.) dicksoni* (Cape Town), *C. (H.) grisata* (Cape Town), *C. (H.) bipartita* (Cape Town), *C. (H.) intermedia* (Grahamstown), *C. (H.) simplicicella* (near Cape Town), *C. (H.) vansonii* (Marieps Mt.), *C. (H.) durbanica* (Durban); *C. (?) gigantea* (Cape Town). (Nepticulidæ): *Nepticula abachausi* (Abachaus, Otjiwarengo Distr., S. W. Africa), *N. fuscata* (Abachaus), *N. hobomi* (Abachaus), *N. irrorata* (Abachaus), *N. lorantivora* (Addobush), *N. nigricapitella* (Abachaus), *N. nigrimacula* (Abachaus), *N. perplexa* (Abachaus). Redescribes all spp. known to him, & repeats original descriptions of others (except for one hepialid). Figures adults and ♂ genitalia of species known to him, and venation and other structural characters of genera. Keys to South African genera (world genera of Nepticulidæ) and species. The first section of plates are to accompany the still unfinished vol. III, devoted to Noctuidæ. [P. B.]

Janse, A. J. T., *The moths of South Africa. Vol. V. Gelechiade.* iv+464 pp. Pretoria: Transvaal Mus. 6 June 1949, 19 April 1950, 4 May 1951, 12 April 1954. *Plates to Volume V of The Moths of South Africa.* 202 pls. Pretoria: Transvaal Mus. 6 June 1949, 12 Dec. 1950, 4 June 1951, 12 April 1954. Describes as new (Part 1): *Anarsia nigrimacula* (Umkomaas), *A. pustulata* (Abachaus, S. W. Africa); *Hypatima nigrogrisea* (Umkomaas); *METATACTIS*, and type *M. griseo-brunnea* (Abachaus, S. W. Africa). (Part II): *Pycnostola abnormalis* (Abachaus), *P. albicolorella* (Karkloof), *P. dicksoni* (Lion's Head, Cape Town), *P. flavostriga* (Impetyeni Forest, Natal), *P. fusca* (Umtata), *P. fuscofascia* (Strandfontein, Cape Prov.), *P. lacteata* (Luderitz Bay, S. W. Africa), *P. nigrinotata* (Marieps Mt.), *P. powelli* (Winterkamp, near Loskop Dam, Transvaal), *P. variegata* (Cape Town), *P. veronica* (Maguba's Kloof); *Aristotelia diversa* (Abachaus, S. W. Africa), *A. neosirota* (Abachaus), *A. ornata* (Pretoria), *A. pulverea* (Abachaus), *A. swierstræ* (Belavista, P. E. A.); *Microsetia stipelloides* (Durban); *DELTOPHORA* (type *Aristotelia peltosema*); *LANCEOPENNA*, and type *L. pseudogaleotis* (Pretoria North); *PARABOLA* (type *Idiophantis buttyraula*); *Polyhymno blastophora* (Abachaus, S. W. Africa), *P. erratica* (Modderpoort, Transvaal), *P. furcatella* (Woodbush), *P. intortoides* (Pretoria), *P. lignicolor* (Zoutpan, Pretoria Distr.), *P. pernitida* (Abachaus, S. W. Africa), *P. washinghami* (Rietvlei, Natal). (Part 3): *Holaxya reducta* (Eshowe, Zululand); *SCROBIPALPA* (type *Gelechia heliopa*), *S. turgida* (Pretoria); *RADIONERVA* (type *Apatetris collecta*); *CEROFRONTIA*, and type *C. griseotincta* (Abachaus, S. W. Africa); *CURVISIGNELLA* (type *Apatetris leucogaea*); *PILISIGNELLA* (type *Apatetris cirrhaea*); *ANAPATETRIS* (type *Apatetris crystallista*); *ACUTITORNUS*, and type *A. munda* (Abachaus, S. W. Africa); *GRANDIPALPA*, and type *G. robusta* (Luderitz Bay, S. W. Africa); *MACROCALCARA* (type *Apatetris undina*); *ROTUNDIVALVA*, and type *R. blanda* (Pretoria); *Stomopteryx difficilis* (Pretoria North), *S. officiosa* (Haenertsburg), *S. pallidipes* (Pretoria); *Syncopacma consimilis* (Pretoria), *S. monochromella* (Abachaus, S. W. Africa), *S. perfuscata* (Abachaus); *OCTONODULA* (type *Anacamptis inumbrata*), *O. binotella* (Abachaus, S. W. Africa); *Schützeia africanella* (Karkloof, Natal); *EXOCOMMATICA* (type *Commatia comsoloma*); *ANASTOMOPTERYX*, and type *A. angulata* (Pretoria North); *SCHIZOVALVA* (type *Gelechia trisignis*), *S. bistrigata* (Van Rhyn's Pass, S. W. Africa), *S. brunneotincta* (Vredendal, S. W. Africa), *S. leucogrisea* (Van Rhyn's Pass, S. W. Africa), *S. nigrofasciata* (Brakfontein), *S. ochrotincta* (Soebatsfontein, S. W. Africa), *S. perirrorata* (Van Rhyn's Pass, S. W. Africa), *S. rubiginetina* (Cape Town), *S. xerochroa* (Cape Town), *S. xyloctincta* (Cape Town); *PLATYPHALLA*, and type *P. ochrinotata* (Pretoria). (Part 4): *BILoba* (type *Gelechia subseceivella*) [note: preoccupied in Colombia], *B. torninotella* (Port Elizabeth), *B. argosticha* (Abachaus, S. W. Africa); *DICRANUCHA* (type *Brachmia sterictis*), *D. homochroma* (Pretoria North); *Paralactis zorophanes* (Marieps Mt.); *Lecithocera enicta* (Verulnar); *Homalexestis lophophora* (Pretoria); *LEVIPTERA* (type *Lecithocera lucernata*); *PLAGIOCROSSA* (type *Lecithocera picrodora*); *ARÆOPHYLLA* (type *Lecithocera spiladias*); *NEOPACHNISTIS* (type *Pachnistis microphanta*), *N. amblystola* (Wylie's Poort) *N. parachroma* (Blauwkoop, N. Transvaal), *N. pseudomorpha* (Blauwkoop); *ATRICHOSANCLA* (type *Eridachtha phæocrossis*); *ISOTYP.I*, and type *I. discopunctata* (Grootvadersbos, Cape Prov.); *Onebala obsoleta* (Pretoria), *O. brunneotincta* (Pretoria), *O. semiluna* (Pretoria); *Zalithia deltophora* (Abachaus, S. W. Africa); *Trichotaphe amblychroa* (Abachaus), *T. dysnotata* (Abachaus), *T. molybdea* (Lower Sabi, Kruger National Park), *T. quadrifurcata* (Wylie's Poort), *T. skukuzae* (Skukuza), *T. subiridescens* (Naboomspruit), *T. tapinosiola* (Pretoria North), *T. tridentata* (Magude, P.E.A.); *Daemonarcha atactodes* (Marieps Mt.), *D. amblopiis* (Umtali), *D. hamata* (Wylie's Poort), *D. heterobela* (Modderpoort), *D. oncera* (Sedula, near Leydsdorp). This volume includes only part of the family; genera were dealt with as material (particularly of genotypes) became available, and no systematic order is followed throughout. In addition to those mentioned above, the following genera are included: *Apotactis*, *Thriophora*, *Dactylethra*, *Epithectis*, *Metzneria*, *Proselotis*, *Aphnogenes*, *Dichomeris*, *Epicharta*, *Musurga*, *Gnorimoschema*, *Ephysteris*, *Apatetris*, *Acræologia*, *Anacamptis*, *Brachmia*, *Protolychnis*, *Pachnistis*, *Frissila*, *Autosticha*, *Eridachtha*, *Catelaphris*, *Eporgastis*, *Idiopteryx*, *Dragnetucha*, *Syrmataula*, *Cophomantella*, *Tricyanaula*, *Paristhmia*, *Schematistis*. Numerous genera, including *Gelechia*, remain to be treated in vol. 6. A key to all South African genera is given at

- the end of the volume, and there are keys to species of genera included. All species known to the author are redescribed; adults and genitalia are figured. [P. B.]
- Kauffmann, Guido, "Nochmals über *Pyrgus malvæ* L.—*malvoides* Elw. & Edw. in Nordtirol (Lep. Hesp.). Genitalanatomischer Beitrag" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 479-485, 1 pl. 1 Aug. 1955. Discusses sample from contact zone in Innsbruck region; 2 ♂ hybrids were found (judging from genital morphology). *P. malvæ* feeds on *Potentilla erecta*, *P. malvoides* on *P. verna*. [P. B.]
- Kernbach, Kurt, "Über *Protoparce lichenea* Bürm., die zu ihr gehörende Gruppe von SpHINGIDENARTEN und über die Gattung *Chlænogramma* Smith" [in German]. *Deutsche Ent. Zeitschr.*, N. F., vol. 2: pp. 266-278, 6 figs. 15 Nov. 1955. Descriptive notes on *P. forestan*, *P. corallina*, *P. extrema*, *P. lichenea*, *P. armatipes*. Transfers *Chlænogramma obscura* to *Protoparce*; believes that all South American '*Chlænogramma*' spp. are *Protoparce* specimens in which the normal green color has changed to brown (which happens easily). [P. B.]
- Kiriakoff, S. G., "Zoogéographie et phylogénie" [in French]. *Bull. & Ann. Soc. Ent. Belg.*, vol. 89: pp. 126-134. 30 June 1953. Interesting article on the bearing of distribution on systematic placement, and on the phenomena of 'convergence' and 'parallel variation.' Supports Klots in rejecting application of the name of the south European race of '*Aglais*' *antiopa* to Nearctic populations. [P. B.]
- Kiriakoff, S. G., "Contributions à l'étude de la faune entomologique du Ruanda-Urundi (Mission P. Basilewsky 1953). XXVI. Lepidoptera Thyretidæ, Arctiidæ et Zygænidæ" [in French]. *Ann. Mus. Roy. Congo Belge, sér. 8°, Sci. Zool.*, vol. 36: pp. 263-266, 3 figs. 1955. Describes as new (Arctiidæ): *Ceryx basilewskyi* (Bururi, Urundi); (Zygænidæ) *Pompostola vicaria nigripes* (Kagogo, Ruanda). Records 8 other arctiids and 1 thyretid. [P. B.]
- Kiriakoff, S. G., "Die Thyretidæ (Lepidoptera: Notodontoidea) aus der Zoologischen Staatssammlung München" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 250-266, 1 pl., 8 figs. 1 Aug. 1955. Describes as new *HEMIRHIPIDIA*, as subgenus of *Rhipidarcia*, and type *R. (H.) danieli* (Debundscha, Cameroons); *Metarctia (Notharctia) forsteri* (Cameroons), *M. (N.) jubdoënsis* (Jubdo, Wallega); *HERONINA*, as subgenus of *Balacra* (type *B. herona*). Records of some 40 spp., with some descriptive notes, and general discussion of family and its relationships. [P. B.]
- Kiriakoff, S. G., "Lépidoptères Hétérocères africains nouveaux du Musée Royal du Congo Belge" [in French]. *Lambillionæa*, vol. 56: pp. 22-27, 38-42, 8 figs. Oct., Nov. 1955. List of a collection of Thyretidæ and Arctiidæ in the Belgian Congo Museum. Describes as new (Thyretidæ): *Metarctia (Metarhodia) hypomela*, *M. (Thyretarctia) pinheyi*, *M. (Metarctia) subpallens* (all from Kenya), *M. (Metarctia) atrivenata* (Tanganyika), *M. (M.) benitensis orientalis* (Kenya), *M. (M.) jacksoni*, *M. (M.) xanthippa* (both from Uganda). [P. V.]
- Kiriakoff, S. G., "*Psalis africana* (Lymantriidæ), a new African moth." *Ent. Berichten*, vol. 16: pp. 127-129. 1 July 1956. Type locality: Kibwezi, Kenya; nearest to *P. pennatula*, differing in tympanal organs and ♀ genitalia [A. D.]
- Kiriakoff, S. G., "Sur la taxonomie de quelques genres des Notodontidæ (Lepidoptera)" [in French]. *Mem. Soc. Ent. Belg.*, vol. 27: pp. 320-335, 32 figs. 1956. Redescriptions and figures of the genitalia of type species of notodontid genera: *Cerasana*, *Fentonia*, *Nectria*, *Somera*, *Harpyia*, *Lophopteryx*, *Chadisra*, *Hoplitis*, *Cleapa*, *Gargetta*, *Turnaca*, *Norraca*, *Spatalia*, *Dinara*, *Pydna*, *Ramesa*, *Zana*, *Phalera*. [P. V.]
- de Laever, H., "Note sur *Eupithecia cooptata* Dietz" [in French]. *Rev. franç. Lépid.*, vol. 15: pp. 158-160. Nov. 1956. Note on this geometrid, with legend of an unpublished plate. [P. V.]
- Lange, W. Harry, Jr., "A generic revision of the aquatic moths of North America: (Lepidoptera, Pyralidæ, Nymphuliniæ)." *Wasmann Journ. Biol.*, vol. 14: pp. 59-144, 17 pls. 1956. Erects the tribe ARGYRACTINI. Describes as new: *UNDULAMBIJA* (type *Ambia striatalis*); *OLIGOSTIGMOIDES* (type *O. cuernavacale*); *NEOCATACLYSTA* (type *Pyralis magnificalis*); *MUNROESSA* (type *Nymphula serralinæalis*); *CONTIGER* (type *Oligostigma vittatalis*); *ARGYRACTOIDES* (type *Argyrectis leucogonialis*); *USINGERIESSA* (type *Elophila brunildalis*); *Neargyrectis* (type *Elophila slossonalis*); *PARARGYRACTIS* (type *Elophila truckeealis*); *EO-PARARGYRACTIS* (type not given). *Oxyelophila* is raised to generic rank. Also describes as new: *Oligostigmoides cuernavacale* (Cuernavaca, Morelos, Mexico); *Chrysendeton kimballi* (Oneco, Manatee Co., Florida); *Synclita occidentalis* (Elkhorn Ferry, Yoho Co., Calif.); *Parargyrectis cappsi* (Kerrville, Kerr Co., Texas);

- Eoparargyactis floralis* (L. Okeechobee, Florida). A phylogenetic list of North American species is given. The biology of the group is given as far as it is known. Figures of ♂ and ♀ genitalia are also given. A fine revisional paper. [J. T.]
- Lange, W. Harry, Jr., "Designation of a type species for the genus *Eoparargyactis* Lange." *Pan-Pacific Ent.*, vol. 32: p. 110. 1956. *Elophila plevie* is designated as type of the genus. [J. T.]
- Lange, W. H., "Aquatic Lepidoptera." In Usinger, R. L., ed, *Aquatic insects of California*: pp. 271-288, 40 figs. Berkeley: Univ. California Press. 1956. Brief discussion of biology and techniques; keys to North American genera of Nymphulinae, and to California species, including known larvæ; redescrptions of California species with data on their biology. *Acentropus* (Schœnobiinae) is included in the generic keys, but other aquatic moths are not mentioned. [P. B.]
- de Lattin, Gustav, "Two new subspecies of *Hipparchia semele* Linnaeus." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 335-336. 15 Dec. 1952. Describes as new *H. s. clarensis* (Co. Clare, Ireland); *H. s. vallettai* (Naxxar, Malta). [P. B.]
- de Lesse, H., "Comments on two recent papers on the genus *Erebia*: a reply" [in French; English summary]. *Entomologist*, vol. 87: pp. 91-96. "April" [3 Sept.] 1954. Reply to Warren's criticisms of his papers. Maintains that ♀ genitalia may be useful in classification in this genus; prefers to base classification on all characters and not to rely solely on ♂ genitalia. Notes on relationships in some species groups. [P. B.]
- de Lesse, H., "Fixation de lectotypes et description d'une nouvelle sous espèce dans le groupe d'*Erebia tyndarus* Esp. (Lep. Nymphal. Satyrinae)" [in French]. *Rev. franç. Lépid.*, vol. 15: pp. 147-150. Nov. 1956. Fixation of lectotypes for *sibirica* Stgr. (Berlin Museum) and *altajana* Stgr. (British Museum). Describes as new *E. iranica savalana* (Iran: Savalan, 3200 m.) (haploid chromosome no. is 51). The specific placement of this new ssp. is not correctly indicated. [P. V.]
- Leston, D., "The major classification of insects." *Entomologist*, vol. 85: pp. 78-80. [20] March 1952. Comparative summary of classifications of Imms, Mickel, & *Traité de Zoologie*. [P. B.]
- Marion, H., "*Crambus salinellus ludovicellus* nova subspecies" [in French]. *Mitt. Münchner Ent. Ges.*, vol. 42: pp. 154-157, 3 figs. 15 Nov. 1952. Type locality: Kochel, Bavaria. *C. nepos* a ssp. of *C. salinellus*; discusses relationships in this complex. [P. B.]
- Marion, H., "Notes sur quelques pyrales françaises" [in French]. *Rev. franç. Lépid.*, vol. 15: pp. 144-146. Nov. 1956. Notes on some French pyralids: *Crambus digitellus*, *C. latistrius*, *C. monoteniellus*, *Homæosoma nimbella*. [P. V.]
- Marion, H., "Pyrales nouvelles de Madagascar (Lep.)" [in French]. *Rev. franç. Ent.*, vol. 23: pp. 15-20, 7 figs. 1956. Describes as new the pyralids *Hiritala vietialis*, *Crociodophora vietialis* (both from E. Madagascar), and *Witlesia malgassicella* (central Madagascar). [P. V.]
- Marion, H., "Pyrales nouvelles de Madagascar: les *Cataclysia* (Lep. Pyraust. Nymphulidæ)" [in French]. *Bull. Soc. Ent. France*, vol. 61: pp. 120-125, 5 figs. 8 Oct. 1956. Describes as new, from Madagascar: *C. suffuscalis*, *C. albifulvalis*, *C. ochrealis*, *C. o. tanakfyralis*, *C. confusalis*, *C. c. betrokalis* and *C. diehlalis*. [P. V.]
- Martin, Edward L., "Notes on the status of some species of Crambinae (Lepidoptera: Pyralidæ)." *Entomologist*, vol. 87: pp. 117-121, 20 figs. "May/June" [3 Sept.] 1954. New synonymy and generic transfers of some spp. originally described in the genera *Crambus*, *Chilo*, *Argyria*, *Diatraea*, *Conotalis*; some lectotypes designated; figures of genitalia. [P. B.]
- Martin, Edward L., "On the systematic position and status of some pyralid genera and species." *Entomologist*, vol. 89: pp. 163-166. July 1956. Proposes *MEGARTHRODIA* n.n. for *Megarhria* Hampson, nec Ragonot; *munroei* for *Omphalocera cariosa* of Grote, not Lederer. Synonymy and generic and subfamily transfers in Galleriinae. [P. B.]
- Menhofer, Herbert, "Interessante Falterfunde in Nordbayern. 2. Beitrag" [in German]. *Nachrichtenbl. Bayer. Ent.*, vol. 4: pp. 120-127. 15 Dec. 1955. Describes as new *Apamea platinea francoiae* (Wallersberg b. Lichtenfels, Bavaria); also names 2 aberrations. Records of 63 Macrolepidoptera, some being new to the area. [P. B.]
- von Mentzer, Erik, "*Plebejus pylaon* Fisch.-Wald. (*sephyrus* Friv.) ssp. *augustanus*, ssp. nova (Lep., Lycænidæ)" [in German]. *Ent. Tidskr.*, vol. 77: pp. 125-129, 3 figs. 30 Jan. 1957. Type locality Valnontey, near Cogne, Val d'Aosta, Italy. [P. B.]

- Mori, I., & S. Murayama, "On a new race of *Aranda schrenckii* from Siga Prefecture, Japan" [in Japanese; English summary]. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 5: pp. 28-29. 1954. Describes as new *A. s. suzukaensis* (Yo-ka-iti, Siga Pref., Honshu). [P. B.]
- Moucha, J., "Contribution à la connaissance de *Pieris bryoniae* O. (Lep. Pieridæ) des Carpathes" [in French]. *Bull. Soc. Ent. Mulhouse*, 1956: pp. 21-25, 4 figs. April 1956. Describes local form; notes on distribution and biology. [P. B.]
- Muhr, Otto, "*Celerio gallii* Rott. ♂ × *Cel.* hybr. *epilobii* Bsd. ♀ — *Cel.* nov. sec. hybr. *gallilobii* Muhr" [in German]. *Ent. Nachrichtenbl.*, vol. 4: pp. 20-24, 1 pl. Jan./March 1952. Describes larvæ and adults from this cross. [P. B.]
- Munroe, E., "Pyralides récoltés à l'île de la Guadeloupe par M. L. Berland" [in French]. *Rev. franç. Ent.*, vol. 23: pp. 121-127, 4 figs. 1 July 1956. List of species of a collection of pyralids made in Guadeloupe. Describes as new *Glyphodes sibillalis berlandi*; *Cliniodes euphrosinalis pallidior*; *CRYPTOBOTYS* (type *zoilusalis* Wlk.); *CHRYSOBOTYS* (type *camboialis* Gn.); and *APOECETES* (type *xanthialis* Gn.). [P. V.]
- Munroe, Eugene, "Comment on Dr. Elwood C. Zimmerman's proposal to add to the *Official List of Generic Names in Zoology* the name of *Æobia* Hübner, 1825, and *Hellula* Guenée, 1845 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol. 13: pp. 183-185. 28 June 1957. Supports application for validation of spelling *Æobia* & for conservation of *Hellula*; believes that fixation of *numeralis* as type of *Æobia* would lead to further confusion. [P. B.]
- Munroe, Eugene, "Proposed suppression under the Plenary Powers of the generic name *Æobia* Hübner, [1825] (Class Insecta, Order Lepidoptera) for the purposes of the law of priority but not for those of the law of homonymy." *Bull. Zool. Nomencl.*, vol. 13: pp. 186-189. 28 June 1957. Requests conservation of *Hellula* (type *undalis*) & *Udea* (type *ferrugalis*); rejection of *Æobia*, *Æbia*, & *undulalis* Hübner, 1796. [P. B.]
- Murayama, Shu-iti, "On *Celastrina sugitani* Mats. from Japan, with description of a new species [sic!] and two new aberrant forms" [in Japanese; English summary]. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 3: pp. 1-3, 6 figs. March 1952. Describes as new *C. s. ainonica* (Teshio Prov., Hokkaido); figures also aberrations of new and typical subspecies lacking most markings on underside of wings. [P. B.]
- Murayama, Shu-iti, "On a new subspecies of *Aranda schrenckii* from Honshu" [in Japanese; English summary]. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 4: p. 9. 1953. Describes as new *A. s. carexivora* (Hara-mura, Sawa-gen, Nagano Pref., Honshu). [P. B.]
- Murayama, Shu-iti, "On some new lycænids from Japan (I)" in Japanese; English summary. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 3: pp. 17-21, 19 figs. April 1953. Describes as new *Celastrina albocerulea yamamotoi* (Yakushima Is.); *Japonica lutea onoï* (Obihiro, Hokkaido); *Favonius sapphirinus nipponicus* (Nose, Osaka Pref., Honshu), *F. s. jezonicus* (Obihiro, Hokkaido), *F. hayashii borealis* (Obihiro). [P. B.]
- Murayama, Shu-iti, "On some lycænids from Japan (II)" [in Japanese; English summary]. *Butt. & Moths (Trans. Lep. Soc. Japan)*, vol. 4: pp. 10-12, 13 figs. 1953. Describes as new *Favonius jezoensis magnificans* (Honshu); *Neozephyrus smaragdinus luxurians* (central Honshu); *Araragi thea yucara* (Ilokkaido). Resurrects *jozanus* as name for Hokkaido population of *Favonius ultramarinus*. [P. B.]
- Murayama, Shu-iti, "New or little known Rhopalocera from China and Korea" [in English; Japanese summary]. *Trans. Lep. Soc. Japan*, vol. 6: pp. 1-4, 10 figs. 1955. Describes as new *Euphydryas romanovi shansiensis* (Tai-yüan, Shansi Prov., N. China), *E. matura coreanica* (Kosho, Heian-hokudo, N. Korea); *Neozephyrus tatsienluensis* (Ta-tsiens-lou, W. China), *N. sikongensis* (Ta-tsiens-lou). Notes on *Tajuria illurgis tattaka* & on *Ampittia matudai* (illegally selected as allotype and paratype of the latter specimens found since his original description. [P. B.]
- Murayama, Shu-iti, "Remarks on the races of *Japonica lutea* Hew., with description of a new race" [in Japanese; English summary]. *Trans. Lep. Soc. Japan*, vol. 7: pp. 12-13, 8 figs. 1956. Describes as new *J. l. patungkoanui* (Sankakuho, Taichu Pref., Formosa). Also figures other ssp. [P. B.]
- Murray, Desmond, "The genera of the European Lycænida (Lep.)." *Entomologist*, vol. 87: pp. 4-11, 2 pls. "Jan./Feb." [16 July] 1954. Rearrangement, based solely on ♂ genitalia, of the 'blues' only; discussion of genitalia of the two 'sections'

- Maculineini and Polyommagini; list of genera with type spp. and others; figures of ♂ genitalia of 23 spp. The author's premises and conclusions are virtually unsupported in this paper. [P. B.]
- Nakamura, Masanao, "Unrecorded species of Notodontidæ from Kyûshû" [in Japanese; English summary]. *Trans. Lep. Soc. Japan*, vol. 7: pp. 9-11, 2 figs. 1956. Reduces *Neocerura* to subgenus *Cerura*; *Mesodonta coreana* to ssp. of *Peridea lativittata*. Gives first description of ♀ of *Hiradonta takaonis*. New island records of 10 spp. [P. B.]
- Norman, T., "Notes on the Lepidoptera of Assam — III. Further additions to the Indian list and other notes." *Journ. Bombay Nat. Hist. Soc.*, vol. 53: pp. 738-740. Aug 1956. Describes previously unknown ♀ of *Lycænoopsis ceyx cerima*. Notes, mostly distributional, on 19 other spp. [P. B.]
- Obraztsov, N "Näheres über *Pseudeucosma tibetana* (Car.) (Lepidoptera, Tortricidae)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 40: pp. 243-244, 1 fig. 1 Oct. 1950. Distinguishes sp. from relatives, and revises his key to *arabescana* group of *Pseudeucosma*. [P. B.]
- Obraztsov, Nicolas, "Sur les genres *Gypsonomoides* Obr. et *Hendecaneura* Wlsm. (Lepidoptera, Tortricidæ)" [in French]. *Bull. & Ann. Soc. Ent. Belg.*, vol. 88: pp. 245-251, 1 fig. 28 Oct. 1952. Describes as new *G. pseudodelitana* (Burgos, Spain). Redefines genera; discusses synonymy involving *G. delitana*; gives a catalogue of spp., with their synonymy and ranges. [P. B.]
- Obraztsov, Nikolaus, "Zur Revision der *Synaphe*-Arten der *moldavica*- und *bombycalis*-Gruppe (Lepidoptera, Pyralidæ)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 42: pp. 87-110, 1 pl., 10 figs. 15 Nov. 1952. Describes as new *S. asiatica* ("Kopek-dagh" — Caucasus?); *S. bombycalis ewersmanni* (Sarepta); *S. dürcki* (Marakesch, Morocco). Redescribes spp. of these 2 groups, with figures of adults and genitalia; key to spp. [P. B.]
- Obraztsov, Nicholas S., "Notes on some species of the *Amata* (*Syntomis*) *cymatilis* group from the Philippine Islands, with description of a new species (Lepidoptera: Ctenuchidæ)." *Journ. Wash. Acad. Sci.*, vol. 44: pp. 221-227, 12 figs. 28 July 1954. Describes as new *A. (S.) bryopoda* (Monuangon, Mindanao); redescribes *A. (S.) cymatilis* & *A. (S.) laomedea*. [P. B.]
- Obraztsov, Nicholas S., "Two new species of the *Amata tenuis* group (Lepidoptera, Ctenuchidæ)." *Bull. & Ann. Soc. Ent. Belg.*, vol. 90: pp. 227-232, 3 figs. 31 Aug. 1954. Describes as new *A. paratenuis* (Pelabuan Ratu, S. coast of Java); *A. subtenuis* (Tombugu, E. Celebes). Redescribes *A. tenuis*. [P. B.]
- Oiticica F^o., José, "Tipos de Saturnioidea no United States National Museum. 3—genero *Citheronia* Hubner [sic!], 1819 (Lepidoptera, Citheroniinæ)" [in Portuguese]. *Bol. Mus. Nac. Rio de Janeiro, Zool.*, no. 147: 15 pp., 47 figs. 5 Nov. 1956. Repeats original description, reviews taxonomic history, and gives data on type specimens and photographs of specimens and genitalia, of *C. aroa*, *C. azteca*, *C. beledonon*, *C. benjamini*, *C. guayaquil*, *C. johnsoni*, *C. marion*, & *C. mogya*. [P. B.]
- Okada, Yoshio, "Explanation of *Sasakia charonda* Hewitson." *Bull. & Moths (Trans. Lep. Soc. Japan)*, vol. 4: p. 5, 1 fig. 1953. This genus of Apaturinae includes also *S. funebris*; variation and biology of *S. charonda* are summarized and the ♂ genitalia are figured. [P. B.]
- Okagaki, Hiromu, & Masanao Nakamura, "Notes on the Japanese species of the subfamily Stauropinæ (Notodontidæ)" [in English; Japanese summary]. *Bull. & Moths (Trans. Lep. Soc. Japan)*, vol. 4: pp. 16-18, 10 figs. 1953. Describes as new *PALÆOSTAUROPUS* (type *Stauropus oblitterata*). Briefly reviews the 3 Japanese spp. of subfamily, figuring adults & ♂ genitalia. [P. B.]
- Okagaki, Hiromu, "Notes on the classification of notodontid moths [in Japanese; English summary]." *Trans. Lep. Soc. Japan*, vol. 7: pp. 16-17. 1956. Sinks *Angustiala* to *Macroschachia* and *A. cryptocephala* to *M. lineata*. *Pheosiopsis* and *Neophyta* should be included under *Suzukia* and *Ginschachia* respectively. The original locality record for *Damata longipennis japona* is unreliable. [P. B.]
- Ogata, Masami, "*Sineugraphe exusta* and two related species in Japan" [in Japanese; English summary]. *Trans. Lep. Soc. Japan*, vol. 7: pp. 19-22, 14 figs. 1956. Redescribes *S. exusta*, *S. disgnosta*, & *S. longipennis*; figures adults and ♂ genitalia. Names a 'form' of *S. disgnosta*. Describes local distribution. [P. B.]

- Opheim, M., "To dagsommerfugler med vestlig utbredelse i Norge" [in Norwegian; English summary]. *Bergens Mus. Arbok*, 1948, no. 5: 11 pp., 2 pls., 3 figs. Jan. 1949. Describes as new *Parnassius mnemosyne atlanticus* (Tafjord, Norway); describes distribution of *P. mnemosyne* and *Carterocephalus palaemon* in Norway. [P. B.]
- Overlaet, F. G., "Sur *Cymothoë aramis* Hew. et *C. distincta* Ovl. (Lepidoptera)" [in French]. *Bull. & Ann. Soc. Ent. Belg.*, vol. 88: pp. 275-276. 31 Dec. 1952. Regards his '*f. schoutedeni*' as a ssp. of *C. aramis*; list subspecies of these 2 spp. [P. B.]
- Overlaet, F., "Le genre *Pseudacraea* Westwood 1850" [in French]. *Bull. & Ann. Soc. Ent. Belg.*, vol. 90: p. 65. 30 April 1954. Abstract only.
- Overlaet, F. G., "Espèces africaines du genre *Neptis* Fabricius" [in French]. *Mem. Soc. Ent. Belg.*, vol. 27: pp. 381-383, 6 figs. 1956. Note on 6 spp. of *Neptis* (Nymphalidæ) from Africa and Madagascar (*melicerta*, *goochi*, *intermedia*, *trigonophora*, *kikideli*, *poultoni*) and figures of the ♂ and ♀ genitalia. [P. V.]
- Paclt, Jiri, "Die Gattungsnamen von Kluk 1780: *Danaus*, *Heliconius*, *Nymphalis* und *Plebejus* (Lepidoptera)" [in German]. *Beitr. Ent.*, vol. 5: pp. 428-431, 2 figs. Sept. 1955. Names first published by Kluk in overlooked edition dated 1780, which is described; only difference from later edition involving these names is the spelling *Plebeius*. [P. B.]
- Pennington, K. M., "Description of female of *Lepidochrysois swanepoeli* Penn. (Lepidoptera, Rhopalocera) and variation in male." *Journ. Ent. Soc. Southern Africa*, vol. 14: pp. 148-149. 30 Nov. 1951. ♀ previously unknown. [P. B.]
- Pennington, K. M., "New species and subspecies and other additions to the butterflies of southern Africa, together with new records of little known species." *Journ. Ent. Soc. Southern Africa*, vol. 16: pp. 94-111, 2 pls. 30 Nov. 1953. Describes as new (Satyridæ): *Melapias southei* (Witteberg Mts., N. E. Cape Prov.), *M. vansonii* (Kamiesberg Mts., Namaqualand); (Lycænidæ): *Deloneura millari dondoensis* (Dondo Forest); *Pacilimitis aridus* (Kamiesberg Mts.), *P. pyramus* (Zwartberg Pass), *P. pelion* (Mt. Machacha, Basutoland, 10,000'); *Lepidochrysois ruthica* (Rhodes Estate, Inyanga, S. Rhodesia), *L. barnesi* (Chimanimani Mts., S. Rhodesia); (Hesperiidæ): *Kedestes lepenula sublineata* (Okahandja, S. W. Africa). Gives first description of ♀ of *Mylothris carcassoni* and ♂ of *Epamera bakeri*. Records of 18 other spp. [P. B.]
- Peterson, Björn, "Einige Bemerkungen zum *Pieris-napi-byronia*-Problem" [in German]. *Ent. Nachrichtenbl.*, vol. 5: pp. 31-35, 45-50. March/April, May/Oct. 1953. 2 distinct populations, representing 2 spp., exist in north and west Alps; in Scandinavia there is a north-south gradation from *bryonia*-like to *napi*-like populations; in south Alps the populations are less distinct, probably because of hybridization. Experiments revealed no preference of males for their own species. [P. B.]
- Petersen, Günther, "Taxonomie und Verbreitung der 'Kornmotten'" [in German]. *Beitr. Ent.*, vol. 3: pp. 577-600, 3 pls. 3 figs. Dec. 1953. Reviews taxonomic history of *Tinea granella* group. Describes ♂ and ♀ genitalia and distinguishes the 4 related spp. Discusses distribution and lists definite records for each species. [P. B.]
- Pinhey, E. C. G., "Notes on Odonata and Lepidoptera made on a collecting trip in Uganda with descriptions of two new Arctiidæ (Lep.) from Tanganyika and Kenya." *Ent. Mo. Mag.*, vol. 88: pp. 169-176, 1 pl., 16 figs. [26] Aug. 1952. Describes as new *Soloë plicata* (Sigatal, Amani, E. Usambara Mts., Tanganyika); *Rhodogastria androfusca* (Nairobi, Kenya). Notes on Lepidoptera, especially butterflies, in Uganda forests. [P. B.]
- Pröse, Herbert, "Bemerkungen zu den 'Dualspecies' bei den Lepidopteren, erläutert am Beispiel *Pyrgus armoricanus* Obth.-*alveus* Hbn. (Hesperiidæ)." *Nachrichtenbl. Bayer. Ent.*, vol. 4: pp. 65-68. 15 July 1955. Criticism of concept of 'sibling species' as especially closely related forms; points out that southern populations of *P. alveus* are distinct, but closer to typical *alveus* than is *P. armoricanus*. Coexistence of sibling species in same area is an argument against their recent separation. [P. B.]
- Pröse, H., "Eine Betrachtung zum *Pyrgus malvæ-malvoides*-Problem als Beispiel taxonomischer Grenzfälle (Lep. Hesp.)" [in German]. *Deutsche Ent. Zeitschr.*, N. F., vol. 2: pp. 185-190. 15 Aug. 1955. Regards *P. malvæ* and *P. malvoides* as 'semi-species', basing conclusion on differences in genitalia and reproductive isolation. Discusses difficulties in classifying forms on the subspecies-species borderline. [P. B.]
- Prout, L. B., "New species of African Geometridæ." *Entomologist*, vol. 87: pp. 182-189. "Sept." [24 Oct.] 1954. Describes as new: *Aphilopota triphasia* ("German E. Africa"), *A. statuta* (Gold Coast), *A. symphronima* (Rutchuru to Kibali, Belgian

- Congo), *A. melanommata* (Rutchuru to Kibali), *A. phanero stigma mweruana* (Lufonso R., E. Luvua Valley, N. E. of L. Mweru), *A. otoessa* (Gambia), *A. cydno* (Mombasa), *A. cardinali* (Kete Krachi, N. Terr., Gold Coast), *A. c. kitalensis* (Kitale), *A. euodia* (N. Transvaal), *A. iphia* (Transkei), *A. sinistra* (Katberg, E. Cape Prov.), *A. mailaria nubilata* (Elizabethville); *Hemerophila leptopheme* (Mt. Moco, Luimbale, Angola), *H. oviceps* (Rugege Forest, Ruanda District, Kivu); also several aberrations and 'forms.' Descriptive notes on *A. strigosissima*, *A. calavia*, *A. phanero stigma*, *A. mailaria*, *H. dnophera*. These descriptions, assembled by Fletcher from the late author's papers, are published to validate the new names on pls. 16-18 of vol. 16 of Seitz's *Macrolepidoptera of the World*, the text of which is incomplete. A revised legend for these plates is included. [P. B.]
- Razowski, Jozef, "A new Asiatic species of the genus *Peronea* Curt. (Lep. Tortr.);" [in Polish; Russian & English summaries]. *Bull. Ent. Pologne*, vol. 23: pp. 107-112, 7 figs. 1955. Describes as new *P. stachi* (Kuldja). The ♂ genitalia are described and figured. [J. M.]
- do Rego-Barros, Alfredo Rei, "*LEPIDOLUTZIA* g.n. e redescricao do gênero *Amastus* Walker, 1955. (Lepidoptera, Heterocera)" [in Portuguese]. *Bol. Mus. Nac. Rio de Janeiro, Zool.*, no. 145: 18 pp., 31 figs. 1 Nov. 1956. Type of new genus is *Amastus baucis*. Detailed redescription of species, and of *Amastus* and its type *A. collaris*. [P. B.]
- Reiss, Hugo, "Die Zygenenfauna Graubündens (Lep.), bearbeitet nach der Sammlung von H. Thomann, Landquart" [in German]. *Jahresber. naturforsch. Ges. Graubündens*, vol. 82: pp. 95-124, 1 pl., 1 fig. 1950. Describes as new *Zygena romeo kessleri* (Bergün, Switzerland), *Z. filipendulae thomanni* (Pontresina, Heutal, Switzerland); also some 'forms.' Includes 11 spp. and their numerous variations, some of which are figured in color. Also figures the fossil *Z. miocenicia*. [P. B.]
- Remington, Charles L., "Interspecific relationships of two rare swallowtail butterflies, *Papilio nitra* and *Papilio hudsonianus*, to other members of *Papilio machaon* complex." *Yearb. Amer. Philos. Soc.*, 1955: pp. 142-146. 1956. Progress report. *P. 'nitra'* of Riding Mt. appears to result from hybridization between *P. machaon* and *P. polyxenes*. [P. B.]
- Riley, N. D., "A new species of *Thestor* (Lepidoptera: Lycanidæ) from South Africa." *Entomologist*, vol. 87: pp. 97-102, 1 pl., 1 fig. "May/June" [3 Sept.] 1954. Describes as new *T. dicksoni* (Roode Zands Mts., above Tulbagh Kloof, Cape Prov.); *T. d. calwinia* (Hantam's Berg, Calvinia, Cape Prov.). Notes on life history (myrmecophilous). [P. B.]
- Sauter, Willi, "Morphologie und Systematik der schweizerischen *Solenobia*-Arten (Lep. Psychidæ)" [in German]. *Rev. Suisse Zool.*, vol. 63: pp. 451-550, 5 pls., 24 figs. June 1956. Redescribes genus, subgenera, and 14 spp. (one unnamed); notes on 6 others (1 known only from type, rest extralimital). Describes external morphology in great detail. Plates illustrate ♂ forewings. [P. B.]
- Sheljuzhko, Leo, "Neue und wenig bekannte Noctuiden und Geometriden der Zoologischen Staatssammlung in München" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 277-292, 1 pl., 2 figs. 1 Aug. 1955. Describes as new (Noctuidæ): *Chersotis anachoreta forsteri* (Sardab Valley, Elburz Mts., Persia); *Janthinea frivaldszkyi asiatica* (Konia, Anatolia); *Scoliopteryx aksvana* (Aksu, Bakalik, E. Turkestan); *Toxocampa cracca centralasiae* (near Dzharkent, Semiretshje, central Asia); (Geometridæ): *Rhodostrophia rueckbeili* (Tyshkan, Sary-saj, central Asia); *Scopula tessellaria proutiana* (Malaje Aku Valley, s. of Dzharkent), *S. immorata duercki* (Castilia, Sierra de Gredos); *Horisme aquata kansuensis* (Lanchowfu, Kansu Prov., China); also several aberrations. Notes on *Parastichtis sublustris* (Noctuidæ); *Epirrhanthis diversata*, *Cidaria derivata*, *Horisme calligraphata teniolata* (Geometridæ). [P. B.]
- Smith, P. Siviter, "*Oressigena* (nomen nudum)." *Ent. Rec. & Journ. Var.*, vol. 64: p. 354. 15 Dec. 1952. Locates and repeats original description, inadequate but valid, of *Dysstroma concinnata oressigena*. [P. B.]
- Stempffer, H., & N. Bennett, "Contribution à l'étude des Lycanidæ du Libéria" [in French; English introduction by W. Peters]. *Bull. Inst. franç. Afr. noire (A)*, vol. 18: pp. 500-513, 4 figs., 1 map. 1956. List of Lycanidæ collected by Dr. Peters in Liberia. Describes as new *Baliochila petersi* & *Deudorix (Hypokopelates) petersi*. [P. V.]

- Stempffer, H., & N. Bennett, "Notes on the South African genus *Cnodontes* (Lepidoptera, Lycænidae)." *Entomologist*, vol. 89: pp. 114-116, 2 figs. May 1956. Describes as new *C. vansonii* (Salt Pan, Pretoria). Records of spp. of *teriomima* group from South Africa. [P. B.]
- Stipan, Franz, "*Pieris bryonia* O. und *Pieris napi* L. (Ergänzungen zum Handbuch von Dr. L. Müller und Ing. Hans Kautz)" [in German]. *Ent. Nachrichtenbl.*, vol. 4: pp. 33-38. Jan./March 1952. Describes successful crosses *P. b. flavescens* ♂ × *P. napi*, Irish race, ♀, and *P. n. napi* ♂ × *P. n. britannica* ♀; names two back-cross forms of *P. napi*; notes on other 'forms', including a gynandromorph. [P. B.]
- Swanepoel, D. A., "A new species of *Cupido* (Lycænidae) from the Zoutpansberg." *Journ. Ent. Soc. Southern Africa*, vol. 12: pp. 123-125, 4 figs. 30 Sept. 1949. Describes as new *C. (Lepidochrysois) vansonii* (near Vivo, Zoutpansberg district, Transvaal). [P. B.]
- Swanepoel, D. A., "A new species of *Cupido* (Lycænidae) from Basutoland." *Journ. Ent. Soc. Southern Africa*, vol. 14: pp. 57-59, 4 figs. 31 May 1951. Describes as new *C. (Lepidochrysois) lowensteini* (Mokhotlong). [P. B.]
- Swanepoel, D. A., "A new species of *Thestor* Hbn. (Lepidoptera)." *Journ. Ent. Soc. Southern Africa*, vol. 16: pp. 191-193, 1 fig. 30 Nov. 1953. Describes as new *T. murrayi* (Swartberg Pass, Cape Prov.). [P. B.]
- Symes, H., "Vapourings." *Ent. Rec. & Journ. Var.*, vol. 68: pp. 149-150. 15 June 1956. Partially successful attempt to cross *Orgyia antiqua* and *O. recens*. [P. B.]
- Tilden, J. W. "A revision of *Tharsalea* Scud. (s. str.), with description of a new subspecies (Lepid., Lyc.)" *Bull. Southern Calif. Acad. Sci.*, vol. 54: pp. 67-77, 4 figs. 5 Oct. 1955. Describes as new *Lycæna (Tharsalea) arota schellbachi* (North Rim, Grand Canyon National Park); redescribes other ssp. Restricts use of *Tharsalea* to this sp. [P. B.]
- Toll, S., "Fauna of butterflies of Podole" [in Polish and English]. *Bull. Ent. Pologne*, vol. 18: pp. 156-172, 7 figs. 1948. Describes as new *Coleophora icterella* (Scianka Hlody; ♂ genitalia figured); *C. paradrymidis* (Obizowa; ♂ and ♀ genitalia figured). Descriptions in English. [J. M.]
- Toll, S., "Two little known species of Macrolepidoptera of the fauna of Poland and two new species of Microlepidoptera" [in Polish; Russian & English summaries]. *Bull. Ent. Pologne*, vol. 22: pp. 122-139, 27 figs. 1952. Describes as new *Cnephasia bleszyński* (Duszniki, S. Poland); *Euspila (Laspeyresia) simillimana* (Katowice, Beskidy Mts., Podolia), *E. internana tristana* (Podolia). The genitalia are figured. Author gives some information about *Boarmia manuelaria* and *Chloridea maritima*. [J. M.]
- Toll, Sergius, "Ein Randbemerkung zu den Veröffentlichung des Herrn N. Obraztsov 'Systematische Aufstellung und Bemerkungen über die paläarktischen Arten der Gattung *Dichrorampha* Gn.' (der Zeitschrift Jg. XLIII, 1953, p. 10) samt Beschreibung einer neuen Art. (Lepidoptera, Tortricidae)" [in German]. *Mitt. Münchner Ent. Ges.*, vol. 44/45: pp. 516-525, 12 figs. 1 Aug. 1955. Describes as new *D. (Dichroramphodes) klimeschiana* (Mercuore, Mistretta, Sicily). Critical comments on Obraztsov's paper, with figures of genitalia of some spp. [P. B.]
- de Toulgoët, H., "Description d'Arctiides nouveaux de Madagascar" [in French]. *Rev. franc. Ent.*, vol. 23: pp. 128-131, 1 pl., 2 figs. 1 July 1956. Describes as new, from Madagascar: *Spilarctia mediocinerea*, *S. pauliani*, *S. hercules*. [P. V.]
- de Toulgoët, H., "Some new Arctiidae from Madagascar and the Comoro Islands (4th note)." *Ann. & Mag. Nat. Hist.*, 12th ser., vol. 9: pp. 337-346, 39 figs. May 1956. Describes as new (Nolinæ): *Raeselia polychroma* (Diego Suarez, N. Madagascar); (Lithosiinæ): *Eilema argentula* (Diego Suarez), *E. relictosa* (Perinet, Analama-zotra Forest), *E. meloui* (Diego Suarez), *E. tanala* (Mananjary, E. Madagascar); *Philenora bijuga diegoi* (Diego Suarez), *P. indecisa* (Perinet), *P. fletcheri* (Diego Suarez), *P. deceptans* (Diego Suarez), *P. septentrionalis* (Diego Suarez), *P. convergens* (S. Madagascar), *P. dissimilis* (S. Madagascar), *P. leighi* (Mayotte, Comoro Is.), *P. quadrupunciaris* (Grand Comoro). Figures genitalia. [P. B.]
- Verity, Roger, "On the supposed discoveries of new butterfly species in Europe." *Entomologist*, vol. 86: pp. 172-175. "July" [4 Aug.] 1953. Contends that many recently named European spp. are of lower rank, being geographically vicariant populations interfertile with others at their contact zone (these 'exerges' appear to be the subspecies of most modern taxonomists). The extension of the 'exerge' concept to *Colias hyale* and *C. australis* seems unjustified from the author's own definition. [P. B.]

- Viette, Pierre E. L., "Contribution à l'étude des Hepialidæ (27ème note). Une nouvelle espèce du Mexique" [in French]. *Mitt Münchner Ent. Ges.*, vol. 42: pp. 20-21, 1 fig. 15 Nov. 1952. Describes as new *Pseudodalaca mexicana nensis* (Jalapa, Mex.); sp. generally confused with *Dalaca assa* or *D. terea*. [P. B.]
- Viette, Pierre E. L., "Contribution to the study of Hepialidæ (29th note)." *Entomologist*, vol. 86: pp. 90-103, 2 pls [20] March 1953. Describes as new *APLATISSA* (monobasic), *A. strangoides* (Fonte Boa, upper Amazons, Brazil). [P. B.]
- Viette, Pierre E. L., "Une nouvelle espèce de lépidoptère brachyptère de l'île Campbell" [in French]. *Ent. Meddelelser*, vol. 27: pp. 19-22, 1 fig. 20 Nov. 1954. Describes as new *EUPROTEODES* (Elachistidæ) and type *E. galatheæ* (Campbell Is.); wings reduced in both sexes. [P. B.]
- Viette, P., "Speologica africana. Description d'un nouveau microlépidoptère d'une grotte de Guinée (Lep. Lyonetiidæ)" [in French]. *Bull. Inst. franç. Afr. noire (A)*, vol. 17: pp. 530-532, 1 fig. April 1955. Describes as new *Opogona williersi* (on guano in cave near Kindia, Fr. Guinea). [P. B.]
- Viette, P., "Nouveaux Microlépidoptères de Madagascar" [in French]. *Bull. Soc. Zool. France*, vol. 81: pp. 88-98, 8 figs. 15 Oct. 1956. Describes as new, from Madagascar: *Melasina fibriculatella* (Tineidæ); *Orneodes decaryella* (Orneodidæ); *Epimactis crocella*; *GHURYX*, *G. perinetella* (type species), *G. venosella*; *Anoditica concretella* (all Xylorictidæ); *Ethmia pylorella*, *E. pylonotella* (E:hmuidæ). [P. V.]
- Viette, P., "Sphingides nouveaux ou peu connus de Madagascar (Lep.)" [in French]. *Lambillionea*, vol. 56: pp. 59-62, 3 figs. Nov. 1956. Describes as new *Polyptychus paulianii*, *P. integer*; *Theretra orpheus megalesia* (all from Madagascar). Key to spp. of *Polyptychus* and notes on *P. brevis* and *P. delicatus*. [P. V.]
- Warren, B. C. S., "Problems of speciation in the genus *Erebia*." *Ent. Rec. & Journ. Var.*, vol. 5, suppl.: 6 pp., 1 pl. Oct. 1953. Discusses and figures ♀ genitalia of races of *E. tyndarus* & *E. cassioides*. Objects to Lorkovic's segregation of *E. hispana*, *E. goya*, & *E. rondoui* as spp. distinct from *E. tyndarus*, pointing out overlapping variations in ♀ genitalia. Minimizes importance of differences in chromosome number, apparently not realizing that this may act as an absolute barrier to crossing in spite of morphological similarity. [P. B.]
- Warren, B. C. S., "Three unrecognized species of the genus *Pyrgus* (Lep., Hesperiidæ)." *Entomologist*, vol. 86: pp. 90-103, 2 pls. [20] April 1953. Regards *P. accreta*, *P. sifanicus*, & *P. scandinavica* as distinct supp. in subg. *Ateleomorpha*; discusses characters of ♂ genitalia, on which this conclusion is based, and application of names in this complex. [P. B.]
- Warren, B. C. S., "The taxonomic value of morphological race-group characters unimpaired by overlapping variability." *Entomologist*, vol. 87: pp. 133-135. "July" [14 Sept.] 1954. Maintains that a group of races may constitute a distinct species even if variants within the group are indistinguishable from members of other groups. *Boloria aquilonaris* is separated from *B. pales* and placed as a ssp. of *B. sifanica*. [P. B.]
- Warren, B. C. S., "Comments on two recent papers on the genus *Erebia*." *Entomologist*, vol. 85: pp. 205-209, 230-233. [12] Sept., [10] Oct. 1956. Critical review of de Lesse's work on ♀ genitalia and on distribution in Pyrenees of *E. tyndarus* & *E. cassioides*. Doubts value of the variable ♀ genitalia, at least in comparison to those of ♂ ♂, for classification in this genus; comments on de Lesse's placement of many supp., and on the identity of races of the above 2 spp. [P. B.]
- Wolff, Niels L., "*Hemimene cinerosana* HS., a widely distributed, but hitherto unappreciated, species. (Lep., Tortr.)" *Ent. Meddelelser*, vol. 25: pp. 351-360, 20 figs. 1 Sept. 1949. Redescribes *H. cinerosana* and *H. plumbagana* and distinguishes them; discusses application of names in this group. [P. B.]
- Wolff, Niels L., "*Crambus bonifatellus* Hulst, an unexpected component of the fauna of Greenland." *Ent. Meddelelser*, vol. 25: pp. 421-424, 4 figs. 1 Aug. 1950. Redescribes sp., previously known from Colorado. [P. B.]
- Wolff, Niels L., "*Toxocampa craccæ* F., ny for Danmark" [in Danish]. *Ent. Meddelelser*, vol. 26: pp. 260-266, 7 figs. 25 May 1952. New record for Denmark; figures adults of *T. craccæ* & *T. vicicæ* and ♂ genitalia of these spp. & *T. pastinum*, and distinguishes the spp. [P. B.]
- Wolff, Niels L., "*Platyptilia capnodactyla* Zell., et zoogeografisk interessant fjermpøl" [in Danish; English summary]. *Ent. Meddelelser*, vol. 26: pp. 469-474. 1 Aug. 1953. Points out distinctive characters of sp., new to N. and W. Europe. Foodplant *Petasites*. [P. B.]

- Wolf, Niels L., "Sommerfugle larver importeret med bananer" [in Danish; English summary]. *Ent. Meddelelser*, vol. 26: pp. 512-521, 9 figs. 1 Aug., 10 Dec. 1953. Discusses systematic position of *Opogona subcerwinella*, which is not certainly an *Opogona* or even a member of the Lyonetiidae. Larvae of this sp. and of *Prodenia litura* have been imported into Denmark in bananas; adults are figured. [P. B.]
- Wolff, Niels L., "*Hemimene obscuratana* n. sp. (Lep., Tortr.)." *Ent. Meddelelser*, vol. 27: pp. 66-69, 11 figs. 20 March 1955. Species called '*cinerosana*' by Wolff in 1949 here named and distinguished from *H. cinerosana* & *H. plumbagana*. [P. B.]
- Wolff, Niels L., "*Nepticula repentiella* n. sp. (Lepidoptera, Nepticulidae)." *Ent. Meddelelser*, vol. 27: pp. 82-90, 4 pls. 20 March 1955. From Denmark (type locality not specified). Describes early stages & mine; foodplant *Salix repens*. Comparative notes on 13 other spp. [P. B.]
- Yasuda, Toshiro, "A revision of the genus *Adoxophyes* (Lep. Tort.) of Japan." *Trans. Lep. Soc. Japan*, vol. 7: pp. 23-26, 8 figs. 1956. Sinks *A. privatana*, *congruana*, *fasciculana* & *fasciata* to *A. orana*, leaving a single Japanese species with variable wing pattern and a wide range of foodplants. Figures genitalia. [P. B.]
- Zimmerman, Elwood C., "Proposed addition to the *Official List of Generic Names in Zoology* of the generic names *Æobia* Hübner, [1825], and *Hellula* Guenée, 1845 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol. 12: pp. 248-251. 28 Sept. 1956. Requests validation of spelling *Æobia*, fixation of types (*Æobia numeralis*, *Hellula undalis*), and placement on the *Official Indexes* of incorrect spellings *Æbia* and *undulalis*. [P. B.]

D. VARIATION AND GENETICS

- Ae, Shigeru Albert, "Corrections and additions concerning the genetics of *Colias erate poliographus* (Pieridae)." *Lepid. News*, vol. 10: pp. 143-149, 2 figs. 8 May 1957.
- Arbogast, R. T., "Two new melanic *Speyeria* (Nymphalidae)." *Lepid. News*, vol. 10: p. 112. 12 Dec. 1956.
- Barros V., Sergio, "Dos casos de melanismo en ropaloceros chilenos." [in Spanish]. *Rev. Chilena Ent.*, vol. 1: p. 281, 2 figs. 1951. Describes and figures melanic specimens of *Tatochila mercedis* & *Argynnis dexamene*. [P. B.]
- Baynes, E. S. A., "A new form of *Selenia bilunaria* Esper." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 5-6. 15 Jan. 1952. Named.
- Best, A. A., "*Leucania lithargyria* Esper ab. *nigrescens* ab. nov." *Ent. Rec. & Journ. Var.*, vol. 65: p. 17. 15 Jan. 1953.
- Birch, L., "Notes on the Clouded Yellow Butterfly (*Colias*, Fab. *croceus*, Fourcroy). The variations of *C. croceus* as observed in insects captured in the Midland counties during the summer and autumn of 1947, by members of the Entomological Section of the Birmingham Natural History and Philosophical Society." *Proc. Birmingham Nat. Hist. Philos. Soc.*, vol. 18: pp. 23-28. 1949.
- Bobe, K. H., "Striking aberration of *Colias croceus*." *Ent. Rec. & Journ. Var.*, vol. 60: p. 92, 1 pl. 15 July 1948.
- Bowden, S. R., "Results of repeated pairing in *Pieris napi*: use of a recessive variety as a marker." *Entomologist*, vol. 83: p. 278. [20] Dec. 1951. Demonstrates that only sperm from most recent mating fertilize eggs being laid; offspring of one ♀ by 2 genetically different ♂♂ were obtained. [P. B.]
- Bowden, S. R., "Pupal colour and diapause in *Pieris napi* L." *Entomologist*, vol. 85: pp. 175-178. [20] Aug. 1952. Data show some correlation between green pupæ and immediate development, buff pupæ and overwintering, but correlation is imperfect, and genetic mechanism, if it exists, is not simple. [P. B.]
- Bradley, J. D., "A new form of *Tortrix amplana* Hübner, 1813, from Malta (Lep., Tortricidae)." *Entomologist*, vol. 86: p. 67. [20] March 1953. Named.
- Brown, F. Martin, "Infra-subspecific names among *Parnassius*." *Lepid. News*, vol. 10: pp. 140-142. 8 May 1957.
- Brown, S. C. S., "A pathological specimen of *Argynnis euphrosyne* (L.) (Lep., Nymphalidae)." *Journ. Soc. Brit. Ent.*, vol. 3: p. 248. 12 Jan. 1951. Specimen with ground-color pigment absent and abnormal scales. [P. B.]

- Burrau, Nils, "Neue oder für Schweden neue Schmetterlingsformen (Lep.)" [in German]. *Opusc. Ent.*, vol. 15: pp. 81-86, 1 pl. 15 March 1950. Names 'forms' or aberrations of 13 spp. of moths and records melanic forms of 2 noctuids; most are figured. [P. B.]
- Caspari, Ernst, "On the pigment formation in the testis sheath of *Rt* and *rt* *Ephestia kühniella* Zeller" [in English; German summary]. *Biol. Zentralbl.*, vol. 74: pp. 585-602, 18 figs. 1955. Comparative histology; effect of recessive allele is to delay appearance of precursor granules and to suppress growth of granules. [P. B.]
- Chalmers-Hunt, J. M., "*Euproctis chrysothæa* L. ab. *fumosa* ab. nov." *Ent. Rec. & Journ. Var.*, vol. 63: p. 145. 15 July 1951.
- Cockayne, E. A., "Aberrations of *Abraxas grossulariata* Linnæus (Lep. Geom.)." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 102-106, 1 pl. 15 June 1951. Names 13, figures 10. [P. B.]
- Cockayne, E. A., "Aberrations of British Arctiidae." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 262-266, 1 pl. 15 Dec. 1951. Names 23.
- Cockayne, E. A., "Aberrations of British Macrolepidoptera." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 30-33, 158-164, 229-233, 3 pls. 15 March, 15 Sept., 15 Nov. 1951. Names 64 (Thyatiridae, Notodontidae, Lymantriidae, Noctuidae). [P. B.]
- Cockayne, E. A., "A note on the genetics of *Colias croceus* Fourcroy ab. *cinerascens* Rowland Brown." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 199-200. 15 Oct. 1951. Albino form probably a simple recessive with low viability under adverse conditions. [P. B.]
- Cockayne, E. A., "An English specimen of *Spilosoma lutea* Hufnagel ab. *totinigra* Seitz." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 266-267, 1 fig. 15 Dec. 1951.
- Cockayne, E. A., "The genetics of *Cleora cinctaria* Schiffermüller ab. *submarmorinaria* Fuchs and ab. *schulzei* Heinrich." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 126-129, 1 pl. 15 July 1951. Pale forms, probably simple recessives. [P. B.]
- Cockayne, E. A., "The genetics of *Cleora repandata* Linnæus, ab. *conversaria* Hübner, and ab. *mendeli* Williams." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 233-234. 15 Nov. 1951. Further evidence that former is heterozygote and latter homozygote. [P. B.]
- Cockayne, E. A., "The International Rules of Zoological Nomenclature." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 38-40. 15 March 1951. Notices with approval ruling separating names of specific and infra-subspecific rank, but objects, on mistaken grounds, to form of ruling. [P. B.]
- Cockayne, E. A., "Aberrations of *Arctia villica* Linnæus (Lep. Arctiidae)." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 3-4, 301-302, 2 pls. 15 Jan., 15 Nov. 1952. Names 9; notes on some others. [P. B.]
- Cockayne, E. A., "Aberrations of British Geometridae." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 237-242, 1 pl. 15 Sept. 1952. Names 26.
- Cockayne, E. A., "Aberrations of British Macrolepidoptera." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 33-37, 129-131, 189-192, 3 pls. 15 Feb., 15 May, 16 July 1952. Names 60 (Noctuidae, 58; Thyatiridae, 2). [P. B.]
- Cockayne, E. A., "Aberrations of British Macrolepidoptera (Geometridae)." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 65-68, 1 pl. 15 March 1952. Names 26.
- Cockayne, E. A., "Aberrations of *Lysandra coridon* Poda and *L. bellargus* Rott. What are the causation factors?" *Ent. Rec. & Journ. Var.*, vol. 64: pp. 157-160, 2 pls. 15 June 1952. Suggestions for experimental attack. Plates show aberrations of these spp. and of *Polyommatus icarus*. [P. B.]
- Cockayne, E. A., "Aberrations of *Saturnia pavonia* Linnæus." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 97-98, 1 pl. 15 April 1952. Names 4.
- Cockayne, E. A., "A new melanic mutation in *Gonodontis bidentata* Clerck." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 334-335, 1 pl. 15 Dec. 1952.
- Cockayne, E. A., "*Colias croceus* Fourcroy ab. *duplex* Cockerell. The story of a fraud." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 193-194. 16 July 1952. Name apparently based on 'mosaics' made by sticking parts of 2 insects together. [P. B.]
- Cockayne, E. A., "Interesting aberrations of British Macrolepidoptera bred by A. V. Hedges." *Entomologist*, vol. 85: pp. 265-270, 1 pl. [17] Dec. 1952. Describes 10, naming 7; notes on presumed genetic basis. [P. B.]
- Cockayne, E. A., "Possible sex-linkage in *Laothoe populi* Linnæus." *Ent. Rec. & Journ. Var.*, vol. 64: p. 221. 16 July 1952. Pale and pink forms, practically confined to ♀. [P. B.]

- Cockayne, E. A., "The genetics of *Arctia villica* Linnæus ab. *ursula* Schultz and ab. *ketilewelli* Cockayne." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 302-305, 1 pl. 15 Nov. 1952. Genetic basis of former is complex and not fully understood; latter probably produced by single recessive gene. [P. B.]
- Cockayne, E. A., "The genetics of *Arctia villica* ab. *wardi* Mathew." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 1-3, 6 figs. 15 Jan. 1952. Simple recessive. Combinations with other variants noted. [P. B.]
- Cockayne, E. A., "The genetics of *Selenia bilunaria* ab. *eblanaria* Baynes." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 6-7. 15 Jan. 1952. Single gene mutant with variable expression; heterozygotes distinct in spring brood, like wild type in summer brood. [P. B.]
- Cockayne, E. A., "The problem of *Lasiocampa quercus* Linnæus ab. *olivaceo-fasciata* Cockerell ab. *olivacea* Tutt and the melanic larva." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 306-309. 15 Nov. 1952. Suggests that melanic adults and larvæ are produced by 2 closely linked recessive genes. [P. B.]
- Cockayne, E. A., "Aberrations of British Geometridæ" *Ent. Rec. & Journ. Var.*, vol. 65: pp. 161-169, 241-244, 2 pls. 15 June, 15 Sept. 1953. Names 66.
- Cockayne, E. A., "Aberrations of British Macrolepidoptera." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 33-34, 81, 2 pls. 15 Feb., 15 March 1953. Names 12 (*Arctia caja*, Sphingidæ, *Minucia lunaris*). [P. B.]
- Cockayne, E. A., "Some forgotten varietal names." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 65-66. 15 March 1953. Resurrects 12 (butterflies, Sphingidæ, Arctiidæ, Notodontidæ) published by Newnham in 1900. [P. B.]
- Cockayne, E. A., "Aberrations of British Macrolepidoptera." *Ent. Rec. & Journ. Var.*, vol. 66: pp. 65-68, 1 pl. 15 March 1954. Names 12 and figures 2 others (Arctiidæ, Noctuidæ, Geometridæ, Zygaenidæ). [P. B.]
- Cockayne, E. A., "A breeding experiment by Alfred Hedges with *Lygris testata* Linnæus and its recessive mutant ab. *hedgesaria*." *Ent. Rec. & Journ. Var.*, vol. 66: pp. 186-188, 1 pl. 15 Aug. 1954. Describes and figures mutant and demonstrates genetic nature. [P. B.]
- Cockayne, E. A., "An account of Mr. Hedges' breeding experiments with *Cleora (Alcis) repandata* Linnæus." *Ent. Rec. & Journ. Var.*, vol. 66: pp. 161-162, 1 pl. 15 June 1954. Melanic mutant and form with contrasting median area apparently both simple recessives; not linked. [P. B.]
- Collier, A. E., "A note on *Agapetes (Melanargia) galathea* L. ab. *aperta* Rebel." *Ent. Rec. & Journ. Var.*, vol. 67: pp. 1-5, 1 pl. 15 Jan. 1955. Describes previously unknown homozygote; also describes breeding experiments and techniques used in rearing. [P. B.]
- Collier, A. E., "A successful rearing of *Aphantopus hyperantus* Linn. ab. *lanceolata* Shipp." *Ent. Rec. & Journ. Var.*, vol. 68: pp. 1-2. 1 Jan. 1956. Aberration produced by single recessive gene, but modified by other factors. [P. B.]
- Daniel, Franz, "Probleme bei oberbayerischen *Zygæna transalpina* Esp.-Formen (Lep.-Het.)" [in German]. *Nachrichtenbl. Bayer. Ent.*, vol. 4: pp. 49-56. 15 June 1955. On local variation, especially at points of contact with the sp. or ssp. *angelicæ*. [P. B.]
- Darlow, H. M., "At Hera's shrines." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 69-71. 15 May 1951. Notes absence of variation in 3 local Mediterranean populations of *Callimorpha quadripunctaria*. [P. B.]
- Dean, Mary Baptista, "Analysis of physiological and genetical differences of polymorphic forms of *Colias eurytheme*." *Wasmann Journ. Biol.*, vol. 14: pp. 1-57, 2 figs. 1956. No difference in vitality was found between white and yellow females. No method was found for distinguishing white ♀ homozygotes and heterozygotes one from the other. Discal spot of hind wings is lightest in white ♀♀, next lightest in ♂♂ and darkest in yellow ♀♀. The experiments seem to show that inheritance of the discal spot color is polygenic. [J. T.]
- Dyson, R. C., "Notes on breeding *Polyommatus icarus* Rott. and foodplants for blues." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 194-195. 16 July 1952. Records progeny of a brood showing a variety of named aberrations. Notes on growing foodplants. [P. B.]
- Edwards, F. H., "Variation in *Lycæna phlæas* L." *Ent. Rec. & Journ. Var.*, vol. 63: pp. 84-86. 15 May 1851. On several named aberrations and their involved nomenclature. [P. B.]

- Egelhaaf, Albrecht, "Quantitativer Vergleich der Fluoreszenzmuster der Eier dreier Genotypen von *Ephestia kühniella*" [in German]. *Naturwissenschaften*, vol. 43: pp. 165-166, 1 fig. April 1956. Demonstrates differences in fluorescing substances in eggs of wild type and 2 eye-color mutants. [P. B.]
- Evans, L. J., "Notes on breeding *Cyrcia mendica* Clerck." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 4-6. 15 Jan. 1953. Several types of variants mentioned; viability low following inbreeding, and strain lost. [P. B.]
- Fearnehough, T. D., "An aberration of *Pararge megera* L." *Ent. Rec. & Journ. Var.*, vol. 67: pp. 329-330. 15 Dec. 1955. With translucent wings; named. [P. B.]
- Ford, E. B., "Rapid evolution and the conditions which make it possible." *Cold Spring Harbor Symp. Quant. Biol.*, vol. 20: pp. 230-238. 1955. Discussion of polymorphism, environmental changes, fluctuations in population size, range extension, etc., based largely on work with Lepidoptera (*Maniola*, *Panaxia*, *Euphydryas*, industrial melanism). [P. B.]
- Gäbler, H., "Die Entstehung einer neuen Tierart" [in German]. *Urania*, vol. 10: pp. 181-182, 2 figs. Nov. 1947. Brief summary of spread of industrial melanism in *Lymantria monacha*. [P. B.]
- Goodson, A. L., "The colour forms of *Colias croceus* ab. *helice* Hübner." *Ent. Rec. & Journ. Var.*, vol. 63: p. 47. 15 March 1951. Synonymy.
- Goodson, A. L., "The white and pale yellow forms of *Lycæna phlæas* Linn." *Ent. Rec. & Journ. Var.*, vol. 64: p. 23. 15 Jan. 1952. Nomenclature.
- Haggett, G., & A. J. Wightman, "Variation of *Hydræcia hucherardi* Mabilie (Lep., Agrotidæ)." *Entomologist*, vol. 89: pp. 157-158. June 1956.
- Hawkins, C. N., "*Sterrhia aversata* L: some further notes on the genetic relationship of the plain and banded forms." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 133-134. 15 May 1952. Banded form a simple dominant. [P. B.]
- Heller, Józef, "On the inheritance of development duration in the Hawk-moth (*Celerio euphorbiæ*)." *C. R. Soc. Sci. Lett. Wrocław*, vol. 2: pp. 88-90. Summary of paper in *Bull. Ent. Pologne*, vol. 18: pp. 81-94.
- Heller, Józef, & Antonia Mokłowska-Hellerowa, "Further investigations on the inheritance of the development modus in the Hawk-moth (*Celerio euphorbiæ*)." *C. R. Soc. Sci. Lett. Wrocław*, vol. 3: pp. 100-101. 1953. Summary of unpublished study not confirmed by later work. [P. B.]
- Henstock, Herbert, "Melanic forms of Lepidoptera in Flintshire." *Entomologist*, vol. 87: pp. 20-21. "Jan./Feb." [16 July] 1954. Reports recent increases in frequency of melanics in many spp. of moths. [P. B.]
- Heslop, I. R. P., "White varieties of two vanessid butterflies." *Entomologist*, vol. 89: pp. 198-199. Aug. 1956. Records specimens of *Precis octavia* and *Aglais urticae* with white background. [P. B.]
- Heslop-Harrison, J. W., "An orange-coloured larva of *Oporinia autumnata* Borkhausen." *Entomologist*, vol. 89: p. 83. April 1956. Larva feeding on flowers of broom. [P. B.]
- Heslop-Harrison, J. W., "Melanism in larvæ and imagines of *Erannis defoliaria* Clerck." *Entomologist*, vol. 89: p. 128. May 1956. Melanic larvæ produce adults ranging from extreme melanics to typical coloration. [P. B.]
- Heslop-Harrison, J. W., "Melanism in the Lepidoptera." *Ent. Rec. & Journ. Var.*, vol. 68: pp. 172-181. 15 Aug. 1956. Polemic, mainly concerned with his priority in certain theories and with supposed defects in recent experiments. [P. B.]
- Heslop-Harrison, J. W., "Parallel variation in the larva and imago of *Oporinia dilutata* Bkh." *Entomologist*, vol. 89: p. 70. March 1956. Larvæ of a mutant form also distinguishable from normal individuals. [P. B.]
- Heslop-Harrison, J. W., "The coloration of the larvæ of *Biston betularia* L." *Entomologist*, vol. 90: pp. 76-77. March 1957. Notes on several color forms — distribution and foodplant correlation. [P. B.]
- Hewson, Frank, "'Black' larvæ of *Lasiocampa quercus* L. in Yorkshire." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 1-2. 15 Jan. 1953. Records of melanic larvæ, not rigidly associated with melanic adults. [P. B.]
- Holloway, Paul H., "A dwarf race of *Anthocaris cardamines* L." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 215-216. 15 Aug. 1953. Very local British population, in area with poor soil and sparse, stunted *Cardamine pratensis* (probable foodplant). [P. B.]
- Huggins, H. C., "Two noctuid aberrations." *Entomologist*, vol. 85: p. 185. [20] Aug. 1952. Of *Anepia irregularis* & *Polychrysis moneta*. [P. B.]

- Huggins, H. C., "Melanism in *Tethea ocellaris* Linn." *Ent. Rec. & Journ. Var.*, vol. 65: pp. 277-278. 15 Oct. 1953. Describes 3 forms; melanics of this sp. have only recently appeared in Britain. [P. B.]
- Huggins, H. C., "New aberrations of British Lepidoptera." *Entomologist*, vol. 89: pp. 1-2, 1 pl. Jan. 1956. Names aberrations of *Euphyia bilineata* & *Gymnancyla cancella*. [P. B.]
- Huggins, H. C., "Some aspects of melanism." *Entomologist*, vol. 89: pp. 185-187. Aug. 1956. Reports great increase in frequency of melanic moths of some spp. in last 15 years, with no apparent change in conditions to account for it. [P. B.]
- Jarvis, F. V. L., "Lethality in *Colias croceus* (Fourcroy)." *Ent. Rec. & Journ. Var.*, vol. 67: pp. 137-139. 15 May 1955. Reports breeding experiment with reduced viability in F_2 . Homozygous lethal and semi-lethal genes probably account for this; some effects may result from pale color gene carried by mother (ab. "helice"). [P. B.]
- Johnson, J. H., "*Ectropis bistortata* Goetz: melanics and 'mosaics'." *Ent. Rec. & Journ. Var.*, vol. 68: pp. 93-95. 15 March 1956. Report on local frequency of pale & melanic forms, and on occurrence of melanics with irregular pale patches; one mosaic ♀ produced over $\frac{1}{4}$ mosaic offspring. [P. B.]
- Johnson, J. H., "Viability of melanic and typical forms of *Gonodontis bidentata* Clerck compared (Lep., Geometridæ)." *Entomologist*, vol. 89: pp. 117-121. May 1956. Suggests that crosses between melanics and typical individuals result in greater no. of eggs than crosses between similar individuals. Sexual selection by melanic ♀♀ of typical ♂♂ also suggested. [P. B.]
- Kennard, Alan, "An aberration of *Harpyia furcula* Clerck." *Ent. Rec. & Journ. Var.*, vol. 68: p. 53. 15 Feb. 1956. Named.
- Kershaw, S. H., "Two new aberrations of *Argynnis aglaia* Linn." *Ent. Rec. & Journ. Var.*, vol. 64: pp. 69-70, 2 figs. 15 March 1952. Melanics; named. [P. B.]
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- Kettlewell, H. B. D., "Problems in industrial melanism." *Entomologist*, vol. 90: pp. 98-105, 1 fig. April 1957. Melanic mutation is rare, and rarer in some spp. than in others; a rapid increase in melanics will take place only when their initial frequency is between 10% and 90% of the population, even with a strong selective advantage. These suggestions and others are proposed to account for such incongruities as the occurrence of many melanics in some spp. only, and increases in frequency of melanics long after contamination of the habitat has begun and, in some cases, when contamination is decreasing. [P. B.]
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- Kühn, Alfred, & Anneliese Merkel, "Über einige die Beschuppung des Schmetterlingsflügels beeinflussende Mutationen und Phänokopien" [in German]. *Biol. Zentralbl.*, vol. 74: pp. 113-145, 27 figs. 1955. Phenocopies of certain mutants affecting the wing scales of *Ephestia kühniella* and *Ptychopoda seriata* have been produced by temperature shocks at appropriate times in pupal development. Action of both temperature and mutant alleles seems to be confined to specific 'critical periods' in wing formation. [P. B.]
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E. DISTRIBUTION AND PHENOLOGY

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